

EDMONTON ENERGY EFFICIENCY (E3) EDUCATION PROGRAM

Summary Report

DECEMBER 9-10, 2015



THE SUMMIT

The Edmonton Energy Efficiency (E3) Education Program was a two-day learning experience for junior and senior high school students and teachers in Edmonton and surrounding area. It provided insights into the Capital

Region's energy future - notably related to efficiency and alternative and renewable energy. During the E3 Summit, seven schools from the City of Edmonton were joined by two more from Sherwood Park in a series of

presentations, tours, hands-on and interactive sessions that helped formulate ideas towards taking action as energy stewards and leaders once students returned to school and beyond.



Solar lantern building workshop.



Touring efficient home fabrication at the ACQBUILT facility.



Learning about alternative & renewable energy at NAIT.

THE PARTICIPANTS

CAPITAL REGION SCHOOLS

Edmonton:

- Crestwood School
- Elizabeth Finch School
- Inner City High School
- McNally High School
- Queen Elizabeth High School
- School of Alternative Education (Fresh Start Westmount & Fresh Start Millwoods)

Sherwood Park

- Next Step Junior & Senior High School
- St. Theresa Catholic Middle School

Schools from across the Capital Region were invited to attend E3, sending a team of up to 8 students and two teachers each. E3 included students from Grade 7 through 12., and we were delighted with the enthusiastic interest, ending up with a fantastic turnout of **eight schools** that sent **58 students & 12 teachers!**



THE PROGRAM

The E3 summit provided major learning opportunities through a variety of formal presentations, tours of the NAIT Alternative & Renewable Energy Lab, a Landmark Homes net zero townhouse, ACQBUILT efficient home fabrication facility, and the net zero Mosaic Centre. Students also got to see a Tesla electric vehicle, create their own electricity with bicycle generators, and participate in a hands-on solar lantern building workshop.

| Wednesday, December 9 | Thursday, December 10 |
|---|---|
| Introductions - Inside Education | Solar Lantern Building Workshop - Inside Education |
| Edmonton's Energy Transition - City of Edmonton | Student Leadership - Queen Elizabeth High School |
| Riverdale Community Project - Rocky Feroe | Electricity Conservation & Solar - ENMAX |
| Lunch | Lunch |
| Tour: Electric Cars; People Power; Net Zero Commercial Building - Mosaic Centre | Tour: Electric Cars; People Power; Net Zero Commercial Building - Mosaic Centre |
| Tour: Alternative & Renewable Energy Lab; Energy Efficiency at Home - NAIT | Tour: Net Zero Homes & Fabrication - Landmark Homes |

THE EVALUATION

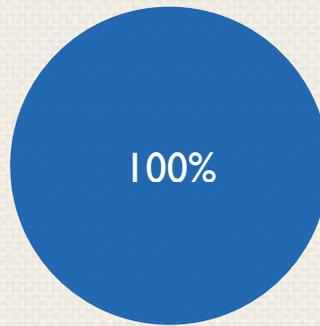
Inside Education is very pleased with the outcomes of the Edmonton Energy Efficiency (E3) Education Summit. Bringing together young people from disparate backgrounds and ages and from a variety of schools across the Capital Region - all of whom with an interest in, and passion for energy and the environment - made for a very robust learning experience.

Interest in E3 was so great that a larger venue and additional transportation was required to extend this unique educational opportunity to as many keen junior and senior high students as possible from Edmonton and the surrounding area. Feedback collected through an online questionnaire and through follow-up cards and letters was overwhelmingly positive and demonstrated Inside Education's success in meeting the program objectives (see graphs, right), as well as providing a highly valuable experience for participants.



"This was such an invaluable experience for our students to learn, first hand, the value of energy conservation and the importance of sustainable energy practices within our community. Inside education provided hands on, engaging experiences for our students that really inspired them to be active participants in the ongoing pursuit of being more accountable to our environment. Our students were surprised at how ideas that are supposedly taking place in the future are taking place in our community today! It was so exciting to see their perceptions change and want to become active environmental citizens."
- Dave Stephens, St. Theresa Catholic Middle School, Sherwood Park

● Strongly Agree ● Agree



I now have a better understanding of energy efficiency.

● Strongly Agree ● Agree



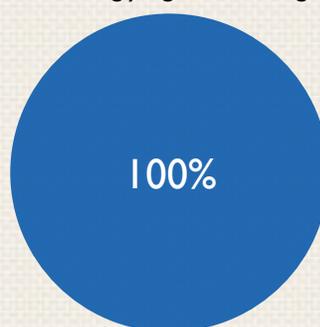
I'm now more aware of different energy efficiency initiatives in the Capital Region.

● Strongly Agree ● Agree



E3 gave me ideas/inspiration for my career path.

● Strongly Agree ● Agree



I feel more empowered to get involved in energy efficiency in my school/community