

Summary of 2019 Energy Efficiency Education Grant Recipients

Organization	Project Name and Description	Area Served
Alberta Council of Disability Services	Leading Energy Efficiency in the Community Disability Services Sector The project aims to give communities throughout Alberta the expertise to evaluate their businesses and homes for potential efficiencies and make informed decisions based on proven audit methods, economic analysis, and based on their specific geographic situations.	Alberta
Alberta Native Friendship Centres Association (ANFCA)	Indigenous Energy Efficiency Champions The ANFCA is hosting four “Indigenous Energy Efficiency Champions” conferences with Friendship Centres in Bonnyville, Edson, Slave Lake and Pincher Creek. Attendees will learn about renewable energy, energy efficiency, receive a take-home energy efficiency toolkit and will share a teaching with others in their community following the conferences completion.	Alberta
Alberta Tomorrow Foundation	Simulating the Benefits of Energy Efficiency and Renewables using the Alberta Tomorrow Land use Simulation Tool Alberta Tomorrow Foundation will develop separate levers for shifts in the energy mix towards renewables, along with lesson plans to accompany.	Alberta
All One Sky Foundation	Energy Saving Cafés Energy Saving Cafés offer a new, innovative format for communities to engage with energy locally, with a goal to combat energy poverty and promote energy efficiency and conservation through education and advice.	Edmonton
Arusha Centre Society	Motivating and Measuring the Efficiency Movement The funding will provide entertaining, experiential energy efficiency programming such a bike generators and midway-styled games that offer lasting experiences at numerous community events.	Calgary and surrounding areas
Battle River Watershed Alliance Society	Finding Common Ground: Our Energy Efficiency Local leaders will learn about the energy sector and how renewables and energy efficiency can save them and their organizations money while helping the environment. These leaders will become certified Energy Ambassadors and will share their experience with their community.	Central Alberta
Biosphere Institute of the Bow Valley	Leveraging Participatory Learning to Build an Energy Efficient Canmore The Biosphere Institute of the Bow Valley (BIBV) will leverage a novel, participatory education model to guide a series of energy efficiency workshops for residents and local businesses in Canmore.	Canmore and surrounding area
Canada Green Building Council	Getting to Zero: Equipping Alberta Trades with Skills for the Future	Alberta

	Getting to Zero aims to increase low carbon building capacity for trade workers in Alberta by convening partners to produce a mini Alberta version of the Trading Up report and disseminating the report at an in-person event promoted across Alberta.	
Canadian Parks and Wilderness Society (CPAWS), Southern Alberta Chapter	Energize: Educating and Inspiring Energy Efficiency Champions CPAWS will infuse energy efficiency curriculum into all current CPAWS Southern Alberta educational programming, develop a CPAWS Action Challenge initiative specific to energy efficiency and develop an adult energy efficiency workshop.	Southern Alberta
Career and Technology Centre at Central Memorial High School	Creating Youth Leaders in Green Building and Design Calgary students will be immersed in green building technology projects, hosting forums and attending conferences related to the green building and energy efficiency.	Calgary
City of Edmonton	Change for Climate Volunteer Program Pilot Over the course of the year-long pilot the City of Edmonton will develop the pilot program, recruit and train about 30 volunteers and support them in their outreach work over approximately three months.	Edmonton
City of Grande Prairie	Grande Prairie Community Energy Engagement The project will deliver information sessions on energy efficiency, collect baseline data to understand the energy literacy within the community, develop recommendations based on the findings, and design an implementation strategy to assist the City with delivering an energy efficiency program.	Grand Prairie
City of Red Deer	Multi-Sector Energy Efficiency Education in Red Deer The City will create a program aimed at reducing energy use in two sectors: residential rental buildings and commercial buildings, with a focus on small businesses, non-profit agencies, and faith groups. This will include hands on training and education tailored for each audience.	Red Deer
Decentralised Energy Canada (DE Canada)	Data Mining and Machine Learning Develop and deliver a course on efficiency datamining and machine learning. The course will focus on identifying opportunities for energy efficiency and the greenhouse gas emissions reductions using cutting edge tools.	Alberta
Earth Rangers	Energy Conservation Missions The Earth Rangers Energy Conservation Missions Project will engage children living in Alberta and their family members to take actions at home that help to reduce their greenhouse gas emissions.	Alberta
ECO Canada	Indigenous Leadership in Energy Management	Alberta

	The focus of the project is to build Indigenous leaders through applied energy efficiency training programs and assist partner Indigenous communities with economic development through renewable energy projects and targetable GHG reduction.	
Environment Lethbridge	Small Business Energy Efficiency Program Through the program, Environment Lethbridge will help businesses to complete a baseline assessment of their current energy practices and guide them through the process of identifying and implementing goals and actions to reduce their energy footprints.	Lethbridge
Evergreen Theatre Society	Leveraging Energy Efficiency Education Through the Arts A science and environmental concept-infused musical theatre adaptation of the classic fairy tale. The show skillfully integrates climate science and promoting personal action and responsibility towards energy efficiency.	Alberta
Global Youth Education Network Society (Genius)	Creating Your Energy Future Workshops with community associations, organized labour and the food sector, who represent significant energy users and opportunities for large energy efficiency gains. By establishing leadership and project development capacity, the project will enable participants to start their own efficiency projects.	Alberta
Green Calgary	Powering Our World Program for Calgary's Youth The program on energy generation, energy conservation and renewable energy aims to raise awareness, shift attitudes and empower youth to engage in energy efficiency and renewable energy as a meaningful way to take climate action.	Calgary
Green Learning	Expanding Energy Efficiency Education through Engaging Youth in Exciting Hands-on Activities about Energy Storage and Electric Vehicles The project will build youth literacy around energy efficiency by providing educators across Alberta with training and resources to easily integrate STEM-based, hands on activities into their classrooms.	Alberta
Iron and Earth	Renewable Skills for Remote Communities The Renewable Skills for Remote Communities project will include the development of a CSA Solar Skills training, a Community Solar Skills training program and a Community Wind Skills training program.	Southern Alberta
Keepers of the Athabasca Watershed Society	Where's My Power?' Workshop and Tools for Energy Efficiency The project aims to engage with communities in Northern Alberta to learn about energy use, energy efficiency, and renewable energy. Keepers will develop a new 'Where's My	Northern Alberta

	Power' workshop and energy audit tools to help Albertans better understand historical context and commonalities towards moving forward together.	
Miistakis Institute	<p>Least Conflict Land Renewable Energy Decision Support Tool</p> <p>The tool allows users to explore ecological, industrial, agricultural and cultural/scenic values simultaneously while considering siting locations for renewable energy development. The LCL tool is a platform to inform important dialogue and decisions around renewable energy development.</p>	Vulcan
NAIT	<p>Green Living Experience – Transportable Residential Energy Efficiency Demonstration Building</p> <p>Energy Efficiency is the lowest cost manner by which to reduce GHG emissions, but it is a hard concept to visualize and understand. The project will design and construct a transportable residential energy efficiency demonstration building, which will be used for years to come as an instructional/interpretive platform.</p>	Edmonton and surrounding area
Nature's Ride Through Art Society	<p>4E (Environment and Energy Efficiency Education) Program</p> <p>The program will build the awareness, skills, and capacity of students and teachers to act on energy efficiency and renewable energy. Students will learn the effects of greenhouse gases (GHG) and how to reduce them in a measurable way.</p>	Calgary
New Myrnam School, Myrnam Outreach & Homeschool Centre	<p>Partners in Stewardship, Partners in Learning</p> <p>The project will result in an Energy Efficiency and Renewable Energy program for students, a dual-credit program with a college in the area and courses in energy efficiency, solar PV certification and small wind design and installation to the community at large in partnership with the Village of Myrnam.</p>	Myrnam and surrounding area
Newo Global Energy	<p>Urban & Rural - Training and Education</p> <p>Development and delivery of climate change workshops to foster renewable energy and energy efficiency literacy, particularly the application of solar photovoltaic (PV) technology. Industry training and capacity building to equip newcomers to Canada with the basic skills and knowledge to enter the solar PV industry or continue on in the trades.</p>	Southern Alberta
Norquest College	<p>Energy Curriculum Development and Review at NorQuest College</p> <p>NorQuest College will assess what training and education opportunities are available in the energy efficiency and renewable energy industry, including a review of current post-secondary offerings. At the end of the project,</p>	Edmonton and surrounding area

	NorQuest will develop new credit or non-credit courses in energy efficiency and renewable energy.	
Paddle Prairie Metis Settlement	Paddle Prairie's Energy Efficiency Education Program Paddle Prairie Metis Settlement's project aims to advance renewable energy and energy efficiency literacy with a primary focus on Paddle Prairie School, through the delivery of 20 workshops. The project will engage and encourage youth to pursue employment and/or become entrepreneurs in the sustainable energy space.	Paddle Prairie Metis Settlement
Passive House Alberta Foundation	Passive House for the Sustainable Homeowner & the Industry Practitioner The project consists of two webinars supplemented by two full-day courses aimed at introducing both non-construction and construction industry individuals to the basic principles of Passive House design. Courses will also be recorded and utilized to develop online webinars in the future.	Alberta
Peavine Metis Settlement	Solar Panel Installation Training The project will provide the opportunity for community members to take the Gridworks 5-day Solar PV Design and Installation Course in Edmonton, Alberta. This will create new career paths and employment opportunities for our members.	Peavine Metis Settlement
Pembina Institute	Expanding Communities' Renewable Energy and Efficiency Capacity through Education and Training The Pembina Institute will build the capacity of local economic development organizations, so they can enable their respective governments and businesses to take advantage of opportunities in energy efficiency and renewable energy.	Alberta
Relay Education	Kid's World of Energy – Alberta Expansion The project will support climate literacy outcomes through direct, engaging workshops at an early age. In addition, a portion of the students will receive even more in-depth learning by participating in the Renewable Energy Design Challenge, including the building of a solar charging station within some of their classes.	Alberta
SAIT	Certificate Development Curriculum development will combine elements of existing SAIT programs into a single credential comprising elements of electrical, instrumentation, petroleum and information technologies focused around renewable energy technology and their integration into new and existing energy systems.	Southern Alberta
Stettler & District Adult Learning Council	Rural Routes to Climate Solutions The project will build awareness among agricultural producers in Alberta for on-farm renewable energy and	Southern Alberta

	energy efficiency. In addition to this, the project will also develop capacity in rural communities to engage in their own renewable energy and energy efficiency projects.	
Strathmore High School	Strathmore High School - Alberta's First Net Zero School The project will teach students how to sustainably thrive through best practices and innovation. The school will create an educational based framework where students and community can come together to innovate towards solving current and future problems around living sustainably.	Strathmore and area
Student Energy	Building Energy Efficiency Champions The program will create a depth of energy efficiency, renewable energy and community engagement knowledge within a cohort of young energy efficiency champions. It will provide online tools for understanding the energy system, and resources for building skills to implement energy efficiency projects.	Alberta
TELUS Spark	Energy Efficiency Artist in Residence Program The Artist-in-Residence program aims to use art and the creative process to stimulate conversations with families around energy efficiency and Alberta's energy future.	Calgary and surrounding area
The King's University (King's Centre for Visualization in Science (KVCS))	Accessible Solutions: Visualizing Energy Choices and Climate Implications with Interactive Simulations Embedded in Alberta Narratives KVCS will develop and disseminate novel interactive simulations and visual learning tools that will inspire hope and action toward energy choices that reduce GHG emissions in Alberta. The science-based, peer-reviewed visualizations will be embedded in carefully tailored narratives to draw in Albertans who have not previously had access to non-polarizing, curiosity-driven energy awareness resources.	Alberta
The Professional Home Builders Institute of Alberta	Understanding How Air Leaking Testing Increases Energy Efficiency All new residential home construction will have to be Net-Zero ready by 2030 across Canada through the Pan Canadian Framework. This project will develop an online course to begin educating Alberta home builders and building codes officers on air leakage testing which is anticipated to be mandated in the updates to the Energy Codes that are coming.	Alberta
Town of Falher	Energy Efficiency Matters The project will facilitate activities that will increase awareness of the benefits for being energy efficient and the detriments of over-consumption which encourage on the regional population, businesses, non-profit group and Farm Corporation.	Falher and surrounding area

<p>Town of Okotoks</p>	<p>Community Energy Efficiency Education Program The purpose of the project is to increase public awareness of how residential household actions can positively impact climate change. An energy educator will provide energy assessments and energy education to homeowners and will provide education about solar PV energy systems at Town events.</p>	<p>Okotoks</p>
<p>Village of Myrnam</p>	<p>Inspiring Green Technology Innovation in the Workplace and Classroom Through the newly constructed Construction and Technology Education Centre, the Village of Myrnam will offer online and on-site classroom instruction using the assorted buildings to demonstrate renewable and energy efficiency technology.</p>	<p>Myrnam and surrounding area</p>