

Summary of 2019 Community Generation Capacity Building Recipients

Organization	Project Description	Area Served
Alberta Community and Co-operative Association	Community Generation Project Incubator (CGPI) Combine renewable generation project development and analysis training with accelerated pre-feasibility assessment performed collaboratively by proponents, other CGPI participants, and expert consultants	Alberta
Alberta Sustainable Goals Cooperative	Castle Meridian Wind Farm Continue with the technical development and feasibility work for a 20 MW wind farm located in southern Alberta	Southern Alberta
Aseniwuche Winewak Nation	Aseniwuche Winewak Nation of Canada Solar Project Development Take findings from an existing pre-feasibility study and continue with the technical development and feasibility work for a 5-8 MW solar PV project	Aseniwuche Winewak Nation of Canada
Biosphere Institute of the Bow Valley	Canmore Community Solar Conduct feasibility studies of establishing a Solar Energy Opportunity Development Co-operative and gauge viability of a future community owned solar PV installation	Canmore & surrounding area
Black Spring Ridge Water Co-op Ltd	Keho Clean Energy Co-op Feasibility Study Feasibility study to take advantage of an excellent wind resource and develop a community owned and operated 2 MW wind farm. This will enable local control over development, diversifies landowner incomes and invigorates rural communities.	Southern Alberta
Rocky Rural Electrification Association Ltd (Blue Mountain Power Co-op)	Blue Mountain Power Co-op Community Generation Feasibility Study Creation of a renewable resource inventory to identify local community generation opportunities. This will include feasibility studies, technical analysis and a thorough public engagement process	Rocky Mountain House and surrounding area
Bow River Irrigation District (BRID)	Bow River Irrigation Hydropower Project- Drop 3 -Conduct feasibility studies (survey, geotechnical, environmental and interconnection), analysis and design for a proposed hydroelectric and co-located solar project that will utilize an existing canal drop structure located on BRID's main canal and adjacent lands. This project will also provide BRID supplemental income in the form of lease and operations payments. The Project is the second of five sites on BRID's canal that have very similar characteristics. Because of these similarities, aspects from these initial feasibility studies will carry through and help the future development of additional sites.	Southern Alberta

Bow River Irrigation District (BRID)	BRID-Hays Solar Project -Feasibility and technical studies for a potential 9.5 MW community solar energy project.	Southern Alberta
CAIRN Housing Society	Energy Reduction Options & Combined Heat Power -The development and integration of Combined Heat and Power generation unit in affordable housing complexes. This project will also include energy use education and mutually beneficial partnerships with residents.	Grande Prairie
Canadian Geothermal Energy Association (CanGEA)	The Handbook for Geothermal Community Based Generation -This project will involve the development of a comprehensive tool for Albertan communities to understand the development of geothermal heat-to-power generation projects under the Small-Scale Generation Regulation.	Alberta
Decentralised Energy Canada	ComGen Opportunities Guide and Project Toolkit for Rural and Indigenous Communities -The development and pilot two training tools: A Rural Communities Guide to the Small-Scale Generation Regulation, designed to provide information that makes the regulation more accessible to rural communities, and the Rural ComGen Project Toolkit, which will provide rural communities with technical, economic and environmental guidance in order to support project implementation.	Alberta
Environment Lethbridge Council	Southern Alberta Renewable Energy Cooperative -This project will seek to develop and incorporate a Co-op designed to promote partnerships and investee project development regarding large scale renewable energy projects throughout southern Alberta.	Lethbridge and surrounding area
Hutterian Brethren Church of Albion Ridge	Hutterite Communities Renewable Energy Facility Development- Developing common tools for planning, evaluating, permitting, and developing a renewable energy facility. -With the Albion Ridge Colony serving as a base-case, this project will undertake the development steps required to plan a renewable energy facility suitable for an individual colony. Next, the process will be applied to the other participating colonies while formatting the process into standard tools for development, suitable for other colonies.	Albion Colony and other Hutterite Colonies Religious Society
Irrigation Canal Power Co-operative Ltd.	IRRICAN Main Canal Structures Feasibility Studies	Southern Alberta

	-It is proposed to review the technical and financial feasibility of developing Hydro-electric power for multiple irrigation canal drops.	
Lac La Biche Regional Community Development Corporation o/a Community Futures Lac La Biche	Community Generation Capacity: Building awareness through capacity, knowledge and opportunity -Community Futures Lac La Biche, along with project partners, will offer a series of community generation capacity workshops throughout the region. These full-day workshops will provide a general overview of developing community generation capacity using wind, solar and biomass sources to supplement traditional energy distribution.	Lac La Biche and surrounding area
Metis Settlement General Council	Metis Community Generation Partnership Project -This project will endeavor to conduct a comprehensive feasibility study, a business plan, and the creation of a community benefits agreement regarding the development of a 20-25 MW solar PV project. Efforts will also be made to create partnerships amongst Metis communities throughout Alberta for this project.	Metis Communities throughout Alberta
NAIT	NAIT Community Power and Training Development - NAIT proposed to examine the viability of developing a community energy project in concert with enhanced training focusing on multiple clean energy strategies. As a postsecondary institution, they also recognized the skills-gap for developing and building community/utility scale power projects in Alberta. In addition to energy and environmental benefits NAIT will also use this project to provide Alberta's labour force with knowledge and experience for designing and building community scale solar systems. The project will showcase best-in-class technologies, providing credit, non-credit, and industry students hands on experience with the most advanced and effective technologies in the rapidly evolving solar industry.	Alberta
North Parkland Power Rural Electrification Association	Community Generation Investment Decision - This is a project of investigation, analysis and a due diligence process towards making a final investment decision on local community owned generation project. The outcome of which is to initiate the construction of our first community owned generation asset upon completing this project which will also increase control over market pricing, promote energy literacy and aligning investment of our Owner-Members into a long-term value solution.	Northeastern Alberta

<p>Paddle Prairie Metis Settlement</p>	<p>Paddle Prairie Community Generation Project Development - This project is the next phase of installing Paddle Prairie’s proposed 1.54mW DC solar array as outlined in the pre-feasibility assessment conducted by 3D Energy. The immediate next steps in this project are to conduct an environmental study, community/partner engagement, geotechnical/civil/structural engineering, DFO feasibility studies, engineering and system design, AUC application and regulatory permits, project development and financing fees, and legal fees for investment/operating structure.</p>	<p>Paddle Prairie Metis Settlement and surrounding area</p>
<p>Peavine Metis Settlement</p>	<p>Peavine 5MW Solar Power Development Project- Feasibility Study Phase - This application is to financially support capacity building for Peavine community "Champions" during the feasibility study phase of a proposed 5 MW solar power plant. At the end of this stage, the project will achieve a 'shovel-ready' status and ready for implementation. To realize meaningful long-term capacity building for future development opportunities, Peavine would like to appoint 2 dedicated community Champions to be part of an integrated project team and to receive mentorship in all project aspects from Optima Global.</p>	<p>Peavine Metis Settlement and surrounding area</p>
<p>St. Mary River Irrigation District</p>	<p>Solar Project Investigations in the St. Mary Irrigation District - SMRID would like to investigate through the CGCB program: the interconnection, development and ownership of 5 to 10 MW solar projects using a footprint of not greater than 20 acres at either site. As well we would like to review our inventory of district lands and identify if any other sites have significant potential.</p>	<p>Solar Project Investigations in the St. Mary Irrigation District</p>
<p>Solar Power Investment Cooperative of Edmonton (SPICE)</p>	<p>SPICE: Edmonton’s Bright Beginnings in Community Solar. Establishing investment-ready community generation solar projects in Edmonton while growing the cooperative for the long-term sustainability - Following its success in the CECB Program, SPICE will continue it’s advancement by preparing three community generation solar projects for investment and development in partnership with the Anglican Diocese of Edmonton which is ready to move their environmental goals into action. SPICE will conduct technical site feasibility for solar development compliant with the Small-Scale Generation Regulation and deliver workshops focused on determining</p>	<p>Edmonton</p>

	<p>project Community Benefit Agreement (CBA) frameworks.</p> <p>SPICE will also work with our business and legal partners to complete our business model and share offering frameworks to allow investments in these projects.</p>	
SunAlta Power Inc.	<p>The Bassano Community Solar Project</p> <p>- SunAlta Power (SAP) has partnered with Irricana Power Generation to develop the Bassano Community Solar PV Project (BCSP), a 11.3 MW nameplate solar PV project near Bassano, Alberta. The BCSP partners have engaged several community organizations to participate in the development, construction and operation of the BCSP. The community organizations include the EID, Beaver First Nation, and the Association of Independent Schools and Colleges of Alberta (AISCA). The funding will enable the project to proceed with further technical and financial development and community partnership engagement for the project.</p>	Bassano and surrounding area
Western Irrigation District	<p>East Lake Hydro Project- Preliminary Feasibility Assessment and Development Plan</p> <p>- The WID is proposing a thorough evaluation of the opportunity to use Eagle Lake for hydropower generation including a feasibility assessment and the creation of a development plan. This material would determine the viability of the project and provide the detailed information that would be required to advance the project.</p>	Calgary and surrounding area