Energy Support Programs Funding 2020

Indigenous Communities and Organizations

Sixty-one Indigenous communities and organizations were approved for funding across four Energy Support Programs from the 2020 intake.

Community Energy Champion (CEC) Program

The following Indigenous communities and organizations have received funding to hire a designated Community Energy Champion for three years to support various energy initiatives and projects in their communities and organizations.

- Anishinabe of Wauzhushk Onigum
- Biinjitiwaabik Zaaging Anishinaabek
- Caldwell First Nation
- Chippewas of the Thames First Nation
- Constance Lake First Nation
- Dokis First Nation
- Grand Council Treaty #3
- Magnetawan First Nation
- Métis Nation of Ontario (MNO)
- Moose Deer Point First Nation
- Ontario Aboriginal Housing Services (OAHS) – approved for three CECs
- Sheguiandah First Nation
- Wabaseemoong Independent Nations (WIN)

Education and Capacity Building (ECB) Program

The following Indigenous communities and organizations have received support from the Education and Capacity Building Program to support awareness, education, skills, and capacity building initiatives.

- **Alderville First Nation**: This project is to provide energy education to the community around renewable energy, energy conservation, and energy savings to build capacity and increase knowledge of energy and energy system participation.
- **Caldwell First Nation:** This project will provide builder training for net-zero homes in the community to build capacity and contribute to the goal of an environmentally-sustainable reserve.
- **Chippewas of Georgina Island First Nation**: This project builds on initiatives outlined in the Community Energy Plan, such as improving understanding of energy use and costs and engaging community in energy cost reduction strategies. The project will include community and youth-specific engagement along with training for the Community Energy Champion.
- **Grand Council Treaty #3**: Grand Council Treaty #3 will host energy capacity engagement sessions with each of the 28 Treaty #3 communities on areas such as energy conservation and sustainable energy practices for a home environment. In addition, they will engage Indigenous Clean Energy (ICE) to host targeted energy conservation workshops for the Treaty #3 territory.
- **Henvey Inlet First Nation**: This project builds on initiatives outlined in the Community Energy Plan, including education in relation to energy conservation and generation with an emphasis on new and emerging technologies. It will include community and youth-specific engagement along with training for the Community Energy Champion.
- **Indigenous Clean Energy Social Enterprise – eGathering:** Indigenous Clean Energy (ICE) will host the e-Gathering, a virtual version of their annual "The Gathering", which brings together Catalysts, mentors, and leaders in the Indigenous energy space to share best practices, ICE program updates and solutions for community-based renewable energy development.
- **Indigenous Clean Energy Social Enterprise – Catalysts:** Funding will support the Catalyst 20/20 program, which incorporates practical and applied learning in renewable energy technologies, community energy planning, energy efficiency and conservation and advanced energy systems technology.
- **Kitchenuhmaykoosib Inninuwug First Nation**: Kitchenuhmaykoosib Inninuwug First Nation has been funded to cover training and wages for three community members to install a wood chip boiler system to offset diesel costs and increase energy security and economic development for the community.
- **Moose Cree First Nation:** The project will provide the skills, knowledge and capacity development through community training and information sessions, to allow Moose Cree First Nation to pursue biomass development, and offset the high costs of propane and oil heating.
- **Ogemawahj Tribal Council:** This project will deliver regional-based training, foster capacity building for six First Nations, and refine further educational initiatives within Ogemawahj Tribal Council communities to ensure they are adaptive to energy requirements and sources as well as ensuring the sustainability of energy delivery to communities.

- **Ontario Aboriginal Housing Services (OAHS):** This project involves the creation of an Energy Team comprising an Energy Supervisor and four Regional Tenant Awareness Program Representatives to implement energy plan for urban and rural First Nations, Inuit & Métis people residing off reserve in Ontario. The energy plan includes training, energy audits, maximizing energy efficiencies in all OAHS units, tenant education and awareness, research and expansion of green energy initiatives, Canadian Institute for Energy Training (CIET) and other certified training, including Catalyst, and planning for high energy efficiency options in all newly acquired and new residential builds across Ontario. They were successfully approved for six applications spanning the various initiatives.
- **Rocky Shore Development Corporation**: Energy capacity building workshops will be held in Ginoogaming First Nation to help community members understand energy efficiency and conservation, as well as future energy technologies such as solar and biomass to promote building retrofits and renewable energy development for the First Nation.
- **Saugeen Ojibway Nation Environment Office & Relay Education**: Saugeen Ojibway Nation Environment Office and Relay Education will promote energy literacy by hosting community workshops and meetings to educate members on the current energy environment and basic energy concepts, as well as providing youth-specific workshops on wind and solar.
- **Taykwa Tagamou Nation**: Taykwa Tagamou Nation will provide direct training for their Community Energy Champion and Energy Team on how to understand and manage a new solar build, which includes a community and project communication plan, solar theory and installation training, and opportunities to attend green power conferences and visit other communities to establish energy networks.
- **Temagami First Nation**: Training will be provided to community members in order to operate and maintain a new ultra efficient multi-use facility with LED lighting and geothermal heat pumps, and an additional solar PV microgrid system and combined heat and power (CHP) biomass facility that are under development.
- **Wabaseemoong Independent Nations (WIN)**: Wabaseemoong Youth Green Living Initiative, on behalf of WIN, will lead a paid employment, skills and training program for at-risk youth to develop and build off-grid solar-powered tiny homes. The program includes engagement events, training sessions, and a unique youth-elder mentorship program for the duration of the project.
- **Wahgoshig First Nation**: This project builds on initiatives outlined in the Community Energy Plan, including encouraging community participation in the energy plan as well as assisting individuals in selecting technologies for their homes. It will include community and youth-specific engagement along with training for the Community Energy Champion.
- **Whitefish River First Nation:** This project builds on initiatives outlined in the Community Energy Plan, including education in relation to solar electric safety training for local first responders. It will also include community and youth-specific engagement along with training for the Community Energy Champion.

Indigenous Community Energy Plan (ICEP) Program

The following Indigenous communities and organizations have received funding to create or update a Community Energy Plan.

Creation of a Community Energy Plan

- Cat Lake First Nation
- Namaygoosisagagun First Nation

Update to an Existing Community Energy Plan

- Alderville First Nation
- Henvey Inlet First Nation

Indigenous Energy Projects (IEP) Program

The following Indigenous communities and organizations have received support from the Indigenous Energy Projects Program for a variety of supply-side solutions that contribute to cleaner, more reliable and more affordable energy systems.

- **Alderville First Nation**: Alderville First Nation will conduct a feasibility study and develop a small-scale, roof-mounted solar PV system for its Public Works building, allowing for increased energy reliability and security.
- **Anishinaabeg of Naongashiing (Big Island) First Nation:** The community will assess the feasibility of constructing a rooftop solar PV system on the roof of the gymnasium building to offset high energy costs.
- **Chapleau Cree First Nation:** The community will assess the feasibility of constructing a solar PV system on the roof of the Racine Lake Camp buildings to offset high energy costs.
- **Dokis First Nation:** Dokis First Nation will develop a 63kWp and 120kW-hr photovoltaic plus storage system that will be connected to the Band's school/community centre complex. The system will interface with the existing diesel generator as backup, and provide over 85% of the facility's total energy needs. The project development includes local training on design, installation, operations and maintenance.
- **Fort Severn First Nation:** Fort Severn First Nation will complete Phase 2 of its 300kW solar-battery-diesel microgrid system, the largest and only one of its kind in Ontario's remote north. This includes the design, installation, commissioning and management of the microgrid communication system that will be merged into the existing diesel generation control system.
- **Garden River First Nation:** Garden River First Nation is implementing a project from their Community Energy Plan, "Niin Wigwamis" (My Little Home), an innovative housing solution that will see the construction of 10 affordable tiny homes outfitted with energy efficient measures and powered by solar panels.

- **Kitchenuhmaykoosib Inninuwug First Nation:** Kitchenuhmaykoosib Inninuwug First Nation will develop and install a 100kW solar system on their Aglace Chapman Education Centre to reduce facility energy costs and diesel usage.
- **Lac des Mille Lacs First Nation:** Lac des Mille Lacs First Nation will conduct legal, financial and technical due diligence and community engagement to formulate a co-development agreement with Hydro One on the Waasigan transmission line project. This will include the creation of a white paper to capture an Indigenous co-development process and framework to provide a guide for other Indigenous communities.
- **Lac Seul First Nation:** The community will assess the feasibility of constructing a rooftop solar PV system on the roof of the community arena to offset high energy costs.
- **Mitaanjigamiing First Nation:** The community will assess the feasibility of constructing a rooftop solar PV system on a to-be-identified community building to offset high energy costs.
- **Nigigoonsiminikaaning First Nation:** The community will assess the feasibility of constructing a rooftop solar PV system on the roof of the community language camp site to offset high energy costs.
- **Pikangikum First Nation:** Pikangikum First Nation will develop and install a 100kW solar system on the local school building to reduce facility energy costs and diesel usage.
- **Rocky Shore Development Corporation:** Rocky Shore Development Corporation will explore the feasibility of a pellet manufacturing facility for biomass, in order to utilize existing wood resources in the area and further economic development for Ginoogaming First Nation.
- **Sagamok Anishnawbek First Nation:** The community will assess the feasibility of constructing a rooftop solar PV system on the roof of the school building to offset high energy costs.
- **Taykwa Tagamou Nation:** Taykwa Tagamou Nation will conduct a "Residential Solar Virtual Power Plant" feasibility study to assess the economic impact of a residential solar infrastructure project in the community.
- **Temagami First Nation (Solar Microgrid):** Temagami First Nation will be installing a 100kW solar PV roof-mounted microgrid on the new 16,000sqft Band and Admin building to offset energy usage by the facility and ensure energy security for the island community.
- **Temagami First Nation:** Temagami First Nation will conduct a feasibility study for a combined heat and power (CHP) facility to potentially utilize the thermal heat for district heating, a community green house or as steam for a lumber kiln.
- **Wabaseemoong Independent Nations:** The community will assess the feasibility of constructing a solar PV system on the roof of the school building to offset high energy costs.
- **Wikwemikong Unceded Indian Reserve:** The project will see the design and development of a unique trigeneration system powered by solar energy (105kW) to provide heating, cooling and electricity.