



Installing a 5kW solar photovoltaic array on a residence in the Tr'ondëk Subdivision in Dawson City.

Government to Government

COMMUNITY GREEN ENERGY INITIATIVE

Yukon
Energy, Mines and Resources
Energy Branch

The Government of Canada has prioritized improving the use of renewable energy across Canada and is funding energy infrastructure improvements in remote areas through its Pan-Canadian Framework on Clean Growth and Climate Change.

The Government of Yukon's Community Green Energy Initiative provides support to Yukon First Nations and municipalities to ensure our communities benefit from the opportunities these funds provide.

Current Situation:

- Through the 2009 Energy Strategy for Yukon, the Yukon government is committed to increasing the use of renewable energy and supports the uptake of biomass, solar and other forms of renewable energy infrastructure.
- The Yukon government is committed to improving energy efficiency through incentive programs and by building expertise within municipal and First Nation governments.
- Yukon communities are interested in opportunities related to the development of local renewable energy sources and in improving energy efficiency (green energy).
- Yukon First Nations and municipalities request technical support to identify issues and develop/ implement solutions related to green energy.



Community energy planning in Carcross.

The Government-to-Government CommunityGreen Energy Initiative:

- The Government of Yukon's Energy branch created a multi-year program to assist Yukon communities in tapping into opportunities and funding for green energy projects.
- The program's mandate is to assist communities in applying for funding, managing projects, and offsetting costs so that all communities can benefit from these opportunities.
- The Energy branch emphasizes direct collaboration at a government-to-government level to determine the community's needs and provides follow-through based on the community's interest in moving forward with a project. Basically, we ask you what energy projects you want and we help you develop the project idea and apply for funding. This results in community-driven projects tailored to your needs and delivered at a pace necessary to ensure your effective participation.
- The Energy branch emphasizes a focus on green energy by delivering projects that produce and conserve energy. We work hard to collaborate with local governments to find the middle ground between community aspirations and the local demands for infrastructure renewal.

Projects to Date:

- The Energy branch has partnered with First Nation and municipal governments on small-scale planning initiatives to improve community energy literacy, identify challenges, and consult with the public on solutions. The steps for delivering these energy planning services are:

1. Develop a community energy inventory;
2. Identify renewable energy opportunities;
3. Do community energy consumption projections and;
4. Plan for energy projects and apply for funding.

These services have been provided in Faro, Old Crow, Haines Junction, Teslin, Burwash Landing and Carcross.

- The Energy branch partnered with First Nation governments in Mayo, Dawson and Carcross to build solar photovoltaic arrays and increase the use of renewable energy in the communities.
- The Energy branch partnered with First Nation and municipal governments in Faro, Haines Junction, Teslin, Carcross and Mayo to evaluate their commercial buildings' energy loads and identify a road map for energy efficient building retrofits that will save money and reduce greenhouse gas emissions from these buildings.
- The Energy branch has worked with communities to evaluate potential biomass energy projects, which include a northern feedstock assessment in Old Crow, detailed design work in support of the biomass heating project in Teslin, and a combined heat and power feasibility assessment in Haines Junction.
- The Good Energy Rebate program is available to all Yukon communities. We also offer funding for travel costs to have Certified Energy Advisors visit a community and conduct energy assessments on residential homes. We are also developing specific projects with communities to address the energy efficiency of their housing



27.3kW solar photovoltaic array at the First Nation of Na-Cho Nyäk Dun's Government House in Mayo.

2017/2018 Work Plan:

- Received approximately \$400,000 in third party funding to complete green energy projects in Yukon communities.
- Solar photovoltaic installations in Haines Junction and Beaver Creek.
- Commercial building energy audits in Haines Junction and Beaver Creek.
- Commercial building energy efficiency retrofits in Haines Junction.
- Energy planning in Carcross, Teslin and Haines Junction.

We can help you!

For more information contact:

Ryan Hennessey
Senior Energy Planner
(867) 393-7075
ryan.hennessey@gov.yk.ca



Visiting the Da Ku Cultural Centre of the Champagne and Aishihk First Nations during the completion of a CHP feasibility study.

The Government of Yukon Energy Branch

The Energy branch is a part of Yukon government's Department of Energy, Mines and Resources. We are a front line branch providing a range of services to our clients, including Yukon residents, other government departments, First Nations, municipalities and businesses.

Our mandate is to facilitate the coordinated, effective, and collaborative delivery of energy policy, projects, and programs that promote a secure and sustainable Yukon energy sector.

Our work is based on public feedback to the 2009 Energy Strategy for Yukon, First Nation direction in the 2011 First Nation Energy Summit, and the municipal response to the 2012 Our Towns Our Future project. This discourse identified a capacity challenge limiting the ability of Yukon First Nations and municipalities to take on the time consuming and technically challenging aspects of energy related projects given the significant workload associated with their day-to-day activities. Both First Nations and municipalities also requested that the Yukon government provide support to overcome those issues so that Yukon communities can benefit from emerging energy related opportunities.

Our Community Green Energy Initiative is based on this feedback and direction.