



View of the Wetland near the MGEC

Traditional Use

A Traditional Land Use Sites Assessment (TLU) was undertaken for the project site and surrounding area by the First Nations study participants. The TLU concluded that no sites would be directly impacted by the project.

Three sites requiring mitigation were identified in the surrounding area by which the MGEC has:

- agreed not to use chemicals on two of the sites.
- contacted the trapper owning the trap at the third site. The trapper indicated that he was not a First Nations individual.

Treaty Rights

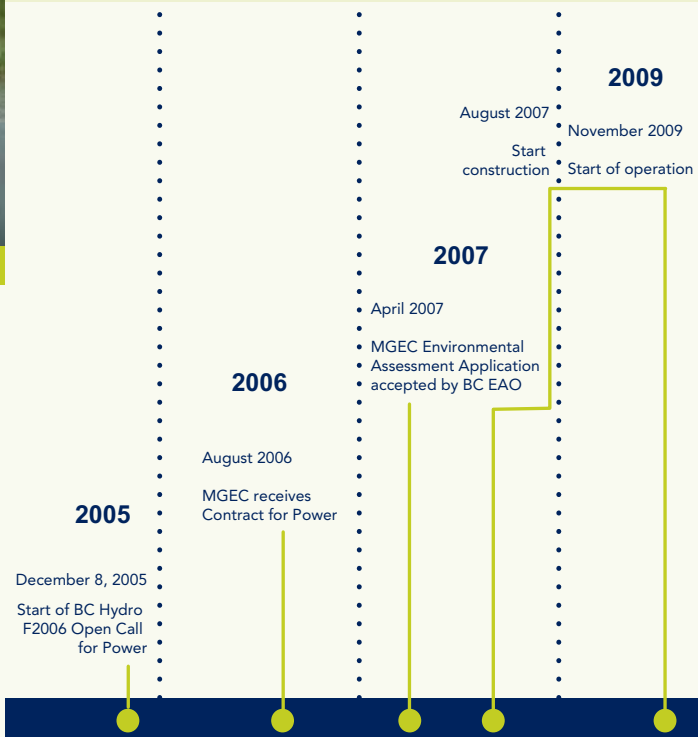
The MGEC has been working with First Nations to address their concerns regarding the potential for project truck traffic to impact large animal mortality. Large animals are important to First Nation hunting rights. A study conducted by the MGEC found that over a five year period, the maximum number of animals that may be killed by truck traffic would be less than 0.3% of the animals harvested by hunters. Therefore it is not expected that the MGEC will affect hunting in the area.

MGELP will work with Treaty 8 First Nations through project construction and operation to ensure that any potential issues that are identified are dealt with in a timely manner.



MACKENZIE
GREEN ENERGY CENTRE

Proposed Project Schedule



MACKENZIE
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A Made-In-BC Sustainable Energy Solution

The Mackenzie Green Energy Centre (MGEC) will:

- use wood residue to generate clean, green electricity for up to 50,000 homes a year
- provide steam to local industries to help make them more competitive
- benefit air quality by using woodwaste now being burned in beehive burners and by facilitating the closure of a wood and gas fired boiler at Pope & Talbot.

View of the proposed MGEC

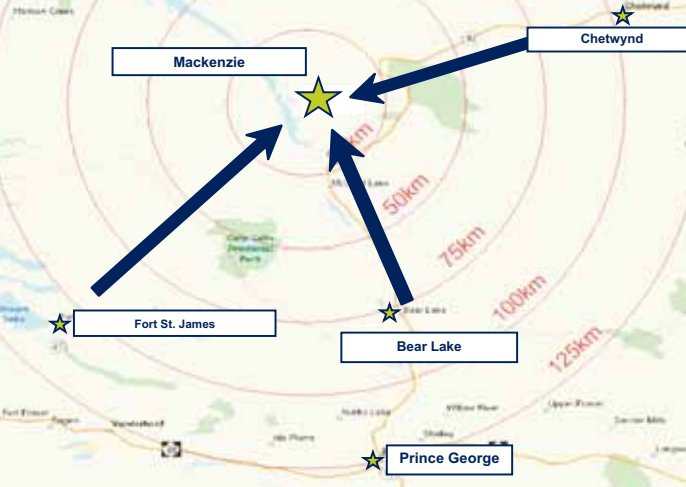


Contact Information

If you have questions or comments about the project or are interested in employment or business opportunities, please contact us:

E-mail: info@mackenziegreenenergy.ca
Phone: 1-866-944-6401

We look forward to developing the MGEC and to being part of the local community.



MGEC Fuel Supply areas

The Project

The MGEC will be located next to the Pope & Talbot pulp mill in Mackenzie on land already disturbed from past development of buildings, roads, and railway tracks, and by logging. The project will consist of an electricity and steam generation facility, wood storage site, ash landfill, administration buildings and infrastructure connections. Mackenzie Green Energy Limited Partnership (MGELP), a partnership between Balanced Power Engineering, Harbert Power and Pristine Power, is developing the \$225 million project.

The project is located on privately owned land within the Treaty 8 areas. Treaty 8 First Nations and the Treaty 8 Tribal Association (T8TA) were provided with project information and invited to participate in the joint provincial/federal environmental review process.

Fuel Supply

The main fuel for the MGEC will be wood residue from sawmills within approximately 100 km of the site. A small amount of chips made from forest slash left over from logging activities and other bio-renewable fuels will also be used.

Approximately 89 trucks per day will deliver wood residue to the MGEC. Fuel delivery trucks will use existing industrial roads in Mackenzie, Highways 97 and 39 from Bear Lake and Chetwynd and forestry roads from Fort St James. Fuel deliveries are likely to be contracted to independent trucking firms.

View of the proposed MGEC site



Project Studies

Studies were done to determine how the MGEC would affect the local area and the ways in which positive effects could be increased and negative effects avoided or decreased. Information on all studies can be found in the Application for an Environmental Assessment Certificate available on the internet at www.eao.gov.bc.ca or in the Mackenzie and Chetwynd libraries. A copy has also been sent to your Chief and Council for review.

Highlights of the studies in key areas of interest identified through consultation and discussions are provided below.

Employment

A wide range of construction trades will be required with the number of construction workers on site peaking at about 260. A construction job shadowing program has been proposed for First Nations to provide an opportunity to learn more about project construction trade jobs.

The operation of the MGEC will create 28 permanent, high quality operations jobs as well as jobs for those providing fuel to the facility. Two of the 28 jobs will be apprentice positions available to those First Nations who participated in the review of the project.

MGELP will encourage contractors to give preference to qualified local workers during construction and operation. If you are interested in potential employment at MGEC, please contact us.

Business Opportunities

The MGEC will result in an investment of \$225 million. Additionally, \$15 to 20 million will be spent each year on operations, thereby creating opportunities for local businesses. Initial sub-contractor opportunities will include:

- Relocation of existing services (sewer, electric, fire water, Pope & Talbot weigh scale)
- Site Preparation
 - Land clearing
 - Road clearing and preparation
 - Drainage and collection
 - Installing a new sanitary line for Pope & Talbot with tie-ins to the existing sanitary system
 - Installing temporary construction services (electric, sewer, fencing, etc.)

Contact us if you have experience in any of these areas.

Air Quality

The MGEC will reduce particulate matter concentrations and reduce greenhouse gas emissions in Mackenzie by allowing Pope & Talbot to shut down its existing wood and natural gas fired power boiler. Air quality in the fuel supply areas is also expected to improve as the amount of sawmill wood residue burned in beehive burners will decrease.

The levels of pollutants emitted by the MGEC will be well below the strictest levels allowed by the BC provincial and Canadian federal governments. Greenhouse gas emissions from the MGEC will be 97% less than those typical of the most efficient commercial coal-fired power generation technology.



View of the Wetland from the MGEC ash settling pond

Water Quality and Water Use

Water used at the MGEC will be treated in Pope & Talbot's treatment system before it is released and will meet BC provincial permit requirements. The average annual wastewater volume that would be discharged by the MGEC is less than 1% of the volume currently discharged by Pope & Talbot.

Stormwater runoff as well as water coming from the wood storage area and wood ash landfill will be collected and treated before being released to the manmade wetland. Pope & Talbot currently discharges similar effluent to the wetland as authorized by its effluent permit.

The MGEC will obtain its water from Pope & Talbot's water supply system. The average water consumption of the MGEC will be approximately 5% of the current water consumption of the Pope & Talbot mill. The combined average annual water use of these two facilities will be approximately 38% below the maximum amount authorized under Pope & Talbot's water licence.

View of the proposed MGEC ash landfill area

