



Mackenzie Green Energy Centre Backgrounder

A made-in-BC sustainable energy solution

Pristine Power Inc., Balanced Power and Harbert Power LLC have developed an economically, environmentally and socially sustainable energy solution to meet BC's urgent need for new sources of clean and renewable electricity through an innovative woodwaste-to-energy project.

The Mackenzie Green Energy Centre will harness energy from woodwaste in BC's northern interior to produce enough green electricity for up to 50,000 homes per year, provide an economic source of steam to the adjacent pulp mill through co-generation, and will help facilitate the closure of up to six beehive burners and contribute to improved air quality.

Economic Development for Northern BC

The Mackenzie Green Energy Centre is an excellent northern economic development opportunity for British Columbia:

- The project is a \$200 - \$250 million investment that will create twenty-six permanent, high paying jobs for 30 years.
- Another 260 new jobs will be created during construction of the project, over a 24 month period.
- The project will also reduce the adjacent pulp mills reliance on natural gas, thereby reducing their operating costs and increasing the competitiveness of their operation.
- It will provide millions of dollars in new revenues for local businesses in northern BC communities through the supply of materials and services during the construction and operation of the plant.

Environmental Benefits and Innovation

Using woodwaste to create green electricity, the Mackenzie Green Energy Centre will help protect our environment:

- The project will consume approximately 1 million tonnes of woodwaste per year, including Pine Beetle woodwaste.
- It will help facilitate the closure of up to six beehive burners.
- The elimination of beehive burners will reduce the amount of greenhouse gases by 52% and carbon dioxide by 77% in the region's airshed, a win for public health and the environment.

- In addition to reducing smoke and particulate emissions, the state-of-the-art Mackenzie Green Energy Centre will be CO₂ neutral and will reduce the consumption of non-renewable natural gas at the adjacent pulp mill thereby further contributing to GHG reductions in the surrounding airshed.
- This innovative woodwaste-to-energy project will produce on average of 59 MW of clean, green electricity, enough to power 50,000 homes.
- Electricity generated by the project will be sold to be sold to BC Hydro under a long-term electricity purchase agreement, thereby reducing BC Hydro's reliance on imported power.

The Mackenzie Green Energy Centre demonstrates leadership and environmental stewardship to ensure the well being of our environment and a strong, diversified and sustainable economy in Northern BC.

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