Canfor Chetwynd Sawmill Biomass Fuel Switch

Carbon offset funds will enable Canfor’s Chetwynd Sawmill to install a system that will use waste product from the mill’s operations (such as unmarketable wood residues) to create energy. This will reduce the mill’s use of natural gas and the associated greenhouse gas (GHG) emissions.

HOW IT WORKS

The project involves the conversion of five on-site natural gas kilns. Instead of natural gas, the kilns will utilize heat from a hot oil heat exchange system that receives its heat from a new highly efficient heat energy system, equipped with associated fuel handling and storage infrastructure. Since the energy system utilizes the residual biomass from the planer and sawmills, the carbon emissions associated with the feedstock are considered to be carbon neutral (biogenic) and create a net decrease in the overall atmospheric carbon pools.

CARBON OFFSETS MADE IT HAPPEN

Without offset funds, this facility would have continued to use natural gas for all its kilns. Use of this technology yields savings in GHG emissions compared to the traditional approach. This project stands as a model for energy innovation in the switch to a low carbon future.

OTHER BENEFITS OF THE INSTALLATION

Beyond the direct climate benefits, this installation was developed using BC-based technology and contributes to growth in the Canadian clean technology industry.

Project At A Glance

Project Location:	Prince George, BC Canada
Project Type:	Fuel Switch
Standard:	BC EOR
Credits Generated per Year	~12,000 tCO2e
Equivalent # of cars removed from the road annually:	2,135 (Based on EPA GHG Equivalency Calculator)
Validator:	KPMG
Verifier:	PwC
Portfolio:	Pacific Carbon Trust
Project Start:	February 2011
Project Longevity:	10 years