

Sustainability and Environmental Benefits of Wood Construction

A) **Did you know that wood is the most sustainable, natural and renewable building material available in Canada?** [Wood - The Only Major Renewable Building Material](#)

B) If I were to tell you that a new building material is available that can assist in the fight against climate change caused by greenhouse gases, would you insist that your design team use this product? Furthermore, what if the material was renewable, recyclable, reusable, and organic, cleans the air, cleans water, and provides oxygen, biodegradable, would you be more inclined to use it? Better yet what if in addition to all the previous attributes, it was also strong, lightweight, flexible, diverse, attractive, easy to use, available in large quantities, inexpensive would you invest in the industry that manufactures this wonder product?

This wonder material is WOOD and it is produced by Mother Nature: [CO2 emissions are the main cause of Climate Change](#)

D) Did you know by simply opting for a wood-frame residence instead of a concrete residence you are assisting in the cleaning of the atmosphere?

It is true! As trees grow, they help reduce climate change by absorbing and storing CO₂ away. Wood helps reduce climate change when it is used instead of other more energy-intensive materials or as biomass energy instead of fossil fuels.

A typical 2400 square foot wood-framed house has over 28 tonnes of carbon dioxide sequestered within the wood building materials products used in the construction of the building. That is the equivalent to the Carbon Dioxide (CO₂) emissions from a single passenger car driven for seven years, or 12,500 liters of gasoline burned, or the energy costs to operate the house for almost 4 years: [Clean the Atmosphere!](#)

E) What if you don't live in a house but choose to live in a wood frame condominium building or perhaps you are planning on building a commercial building using wood.

The 30,000 square foot Microtel Inn & Suites in Parry Sound, Ontario sequestered 216 tonnes of carbon. This is equivalent to the Carbon Dioxide (CO₂) emissions from a single passenger car driven for seven years to driving a car for more than 38 years or about 92,810 liters of gasoline.

F) What would be the Carbon sink of a typical six storey wood frame residential building...lots don't you think?

The actual carbon sink of a building will vary on the building materials/components used within as such each building will require its own calculation of CO₂ mass, send me your lumber product material list and I will calculate it for you.

G) Where do I go for more information on the Environmental Benefits of Wood Construction Usage?

Try this website: www.planetfriendlycanada.com