



Pan-Abode International

A long-standing icon in the Canadian log home industry and value-added forestry sector since 1948.

Pan-Abode custom manufactures high-quality, machine-profiled solid Western Red Cedar log home packages using a time-tested building system with demonstrably low carbon impact.

PREFABRICATED LOG BUILDING SYSTEM



- Each Pan-Abode home is custom designed and engineered to include **individually tailored Energy Conservation Measures**, while using solid log construction that showcases the natural beauty and structural properties of Western Red Cedar
- Pan-Abode currently follows the Energy Performance Pathway or Step Code for building code compliance
- Currently **no pathway exists for low carbon alternatives under the BC Building Code**, but this is likely to change with improved awareness of operating energy vs. Life Cycle Analysis
- Packages from Pan-Abode also provide **higher efficiencies in manufacturing** than on-site construction along with reduced requirements for hauling out waste post-build

CHALLENGE



- **Excess carbon in the atmosphere** is harmful to humans, animals and plants
- Atmospheric carbon is also a greenhouse gas that contributes to **climate change**
- **Life Cycle Analysis (LCA)** of all stages from "cradle to grave" is required to consider the combined sequestered, embodied and operating carbon of a home's life
- Using Life Cycle Analysis provides a **more complete environmental impact assessment** of new home construction as compared to looking only at operating energy and carbon

SOLUTION AND IMPACT



- **Carbon is sequestered** in people-friendly and biodiverse **forests, wood,** and the **Pan-Abode logs** themselves
- About **half the weight** of Pan-Abode's log walls is composed of carbon
- All of Pan-Abode's wood fibre is **sourced from BC forests** - considered the most sustainable forests globally
- Log homes **contain less embodied carbon** than frame homes built to regular code standards and significantly less than homes made with non-wood materials (e.g. bricks, concrete, glass)
- Pan-Abode logs can be **disassembled, relocated,** and **reassembled** to begin a **whole new life** for the building

ADDITIONAL BENEFITS



- **Save on energy costs** with solid log construction as it retains heat through thermal mass and then radiates this energy back into your home even after the furnace or fireplace is off
- Log homes are **naturally breathable** and **don't off-gas** with VOCs
- Pan-Abode homes are **designed and manufactured entirely in British Columbia** from 100% Canadian materials
- Depending on the adaptation of carbon taxes in your jurisdiction, low carbon building materials and components can also **provide financial savings** - both now and in the future

LEARN MORE



- **Life Cycle Assessment of Log Wall and Timber Frame Systems:** www.bclogandtimberbuilders.com/uploads/files/Log-and-Timber-LCA.pdf
- **Canadian Wood Council's Carbon Calculator:** <https://cwc.ca/design-tools/carbon-calculator>
- **BC Government's Wood First Initiative:** www2.gov.bc.ca/gov/content/industry/forestry/supportinginnovation/wood-first-initiative
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