

CANADA'S WOOD PELLETS

LEADING THE WAY IN CERTIFIED FIBRE

Responsible, Renewable Clean Energy

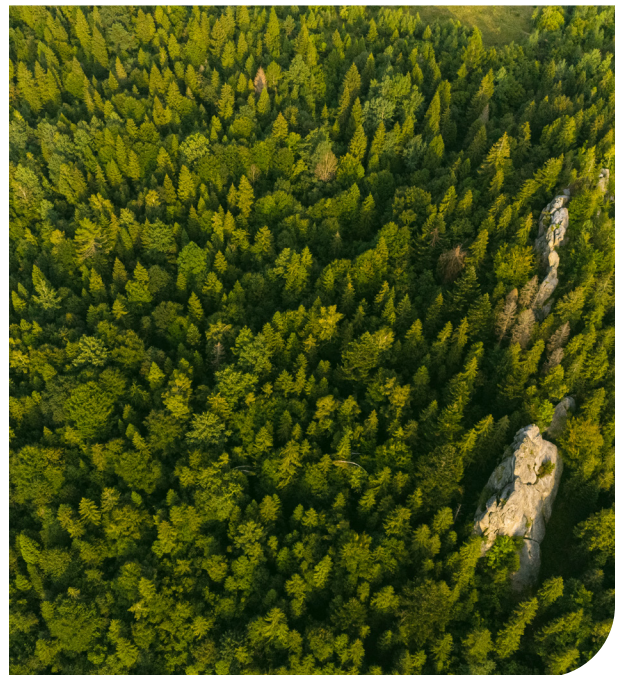
Sawdust trailers being unloaded at a Canadian wood pellet plant.

Canada is a leading supplier of wood pellets from certified sustainable and legal sources. Today, electric power stations in Europe and Asia are using Canadian wood pellets to displace coal and reduce greenhouse gas (GHG) emissions. For example, Drax Power operates the world's largest biomass power station providing about six percent of the UK's electricity supply. Drax was a former coal power station that converted to wood pellets, thereby reducing its GHG emissions by more than 85 percent. Many of these wood pellets are imported from Canada.¹

Global customers are committed to responsible sourcing throughout their supply chains. Verifying the legality and integrity of their biomass supply is essential to their business models.

Canada's wood pellet industry plays a large part in helping customers meet their commitments with a growing supply of pellets produced from the residuals of sustainably managed forests.

Canada's forests are highly regulated to comply with some of the most stringent regulations in the world, which are enforced by government and backed by independent certification.



¹ Drax ESG Performance Report 2024

INDEPENDENT ASSURANCE OF SUSTAINABLE SOURCES

Canadian pellet producers typically do not directly manage forests. Instead, producers buy fibre as a direct by-product of the lumber industry or through the purposeful extraction of dead, diseased, damaged, or low-quality trees by independent logging contractors. As outlined in the WPAC Member Sustainability Commitment, Canadian pellet producers ensure the sustainability of their fibre purchases by dealing exclusively with reputable suppliers and knowing where their supplies come from.

This is backed up by internationally recognized third-party forest management certifications. The Forest Stewardship Council (FSC) has a national standard for Canada. The Programme for the Endorsement of Forest Certification (PEFC) endorses two Canadian forest management certifications: PEFC Canada and the Sustainable Forest Initiative (SFI). These certification programs share the common goals of providing third-party assurance of sustainable forest management.

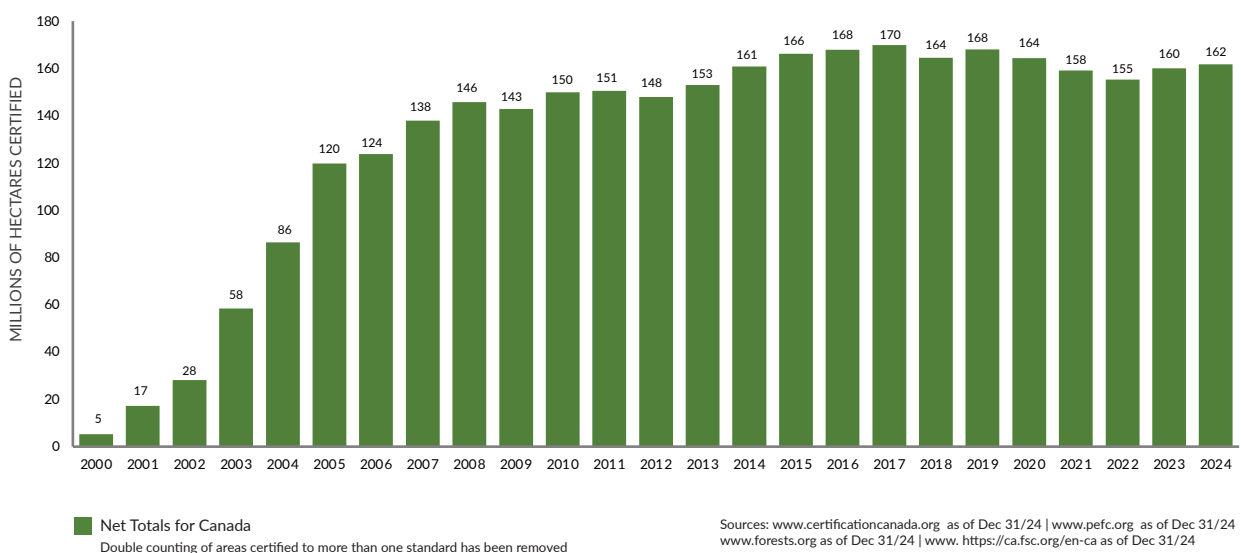
The forest management certifications are supplemented by third-party certification of chain of custody to the standards of FSC, PEFC or SFI. Chain of custody certifications prove that sustainability is maintained as fibre changes hands along the supply chain from the forest to the end customer.

All forest certification programs used in Canada promote principles, criteria and objectives that are viewed around the world as the basis of sustainable forest management. Each has balanced governance, with boards representing environmental, social and economic interests, and all revise their standards regularly through an open public process.

They evaluate for basic forest stewardship by ensuring that harvested areas are reforested, that laws are obeyed, and that there is no unauthorized or illegal logging. They also ensure biological diversity is conserved, timber is harvested sustainably, and wildlife habitats, soils, and water resources are conserved.

Certifications are carried out by independent, internationally recognized certification bodies that annually assess forestry operations against standards for sustainable forest management. This, coupled with strong forest management laws, supports Canada's reputation as a source of legally and sustainably produced forest products. When it comes to forest certification, Canada leads the world with an estimated 162 million hectares certified (see Figure 1).

Figure 1 SFM Certification in Canada – 2000–2014 | 2024 Year-end



SUSTAINABLE BIOMASS PROGRAM: ADDITIONAL ASSURANCE

Canadian wood pellet producers who export to Europe and Asia are third-party certified to the standards of the Sustainable Biomass Program (SBP). This program was set up in 2013 to provide assurance that woody biomass—mainly wood pellets and wood chips used for large-scale energy production—is sourced from legal and sustainable sources.

Wood pellet manufacturers must carry out a risk assessment to identify the risk of compliance against 42 SBP indicators covering eight criteria for legality and sustainability:

1. Operators and operations are legal.
2. Biodiversity is maintained or enhanced.
3. Ecosystem productivity, functions and services are maintained or enhanced.
4. Feedstock sourcing is consistent with international requirements for land use, land-use change and forestry (LULUCF) emissions.
5. Carbon stocks in the forest area of the supply base are stable or increasing in the long term.
6. Feedstock sourcing shall not compete with wood sourcing for long-lived wood products.
7. Decent working conditions are provided and labour rights are safeguarded.
8. Feedstock sourcing benefits communities.

SBP creates a framework for suppliers to report third-party verified energy data associated with biomass production and transportation to the generators that purchase their pellets, enabling them to calculate GHG emissions savings.

Like the three forest management certification programs, SBP incorporates the use of external audits and third-party certification by independently accredited certification bodies.

GLOBAL SUPPLIER OF RESPONSIBLE FIBRE

Canada is recognized as a global leader in sustainable forest management. Canada's framework of stringent forest laws, public involvement, skilled forestry professionals, and comprehensive monitoring, and compliance and enforcement provides a solid foundation for



A forest professional measures growth of a young lodgepole pine tree in Central British Columbia

sustainability. Third-party certification builds on that foundation to solidify Canada's global reputation as a source of responsible forest products. That's why today, Canada's wood pellet industry is a global supplier that international customers can rely on for a stable supply of high-quality pellets from legal and sustainable sources.

PRESERVING FORESTS FOR THE FUTURE

Canada has 367 million hectares of forests, making it the third-most forested country in the world after Russia and Brazil. Even after accounting for the establishment of cities and conversion to farm land, Canada still has 90 percent of its original forest cover. At an annual harvest rate of 0.2 percent², Canada will always have forests for the future. In fact, timber losses resulting from insects, disease, and fire exceed the annual amount harvested.

² Natural Resources Canada, State of Canada's Forests Annual Report 2023.

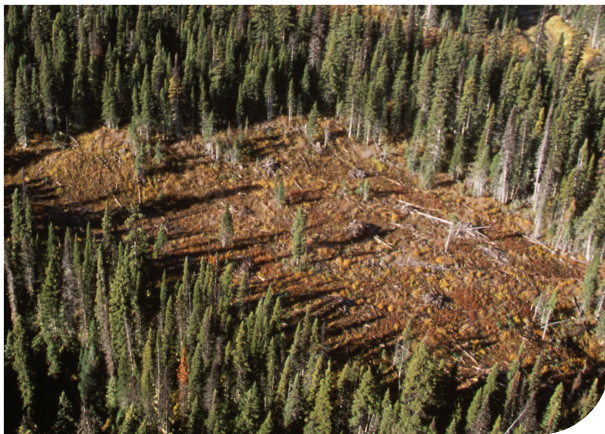


Photo: Naturally:wood.com

BRITISH COLUMBIA: LONG-TERM SUSTAINABLE HARVEST LEVELS

British Columbia's timber supply review program began in 1992. Using an updated review of the province's management units, the province's independent Chief Forester determines the allowable annual cut, which is the maximum amount of timber that is reasonable to harvest over the following 10 years and still support a long-term sustainable harvest level (usually forecast over 250 years).

By law across Canada, forests must be replanted or regenerated after harvesting. The seedlings planted are ecologically appropriate, non-GMO trees so that long-term productivity, health, and vitality of the forest are enhanced or maintained. In addition to tree planting, forest professionals also rely on natural regeneration from adjacent forest areas.

To ensure harvest levels are sustainable over the long-term, provincial governments regularly carry out comprehensive timber supply reviews where harvest levels are determined based on:

- The condition of the existing forest.
- The growth rate of the existing forest.
- How the forest is managed for timber and other resource values.
- Choices around the rate of harvest.

ANNUAL AREA OF TIMBER HARVESTED

100%

TOTAL AREA OF BRITISH COLUMBIA
(95 MILLION HECTARES)

62%

FORESTED LAND (60 MILLION HECTARES)

95%

FORESTED LAND PUBLICLY OWNED
(57 MILLION HECTARES)

42%

FORESTED LAND AVAILABLE FOR HARVEST
(25 MILLION HECTARES)

<1%

FORESTED LAND HARVESTED ANNUALLY
(~190 THOUSAND HECTARES)

Source: https://www2.gov.bc.ca/assets/gov/farming-natural-resources-and-industry/forestry/stewardship/forest-analysis-inventory/tsr-annual-allowable-cut/tsr_background apr_2021.pdf