

British Columbia Wood Pellets

Responsible, Renewable Clean Energy



BC: Canada's Largest Pellet Producer & Exporter, 90% of all Exports

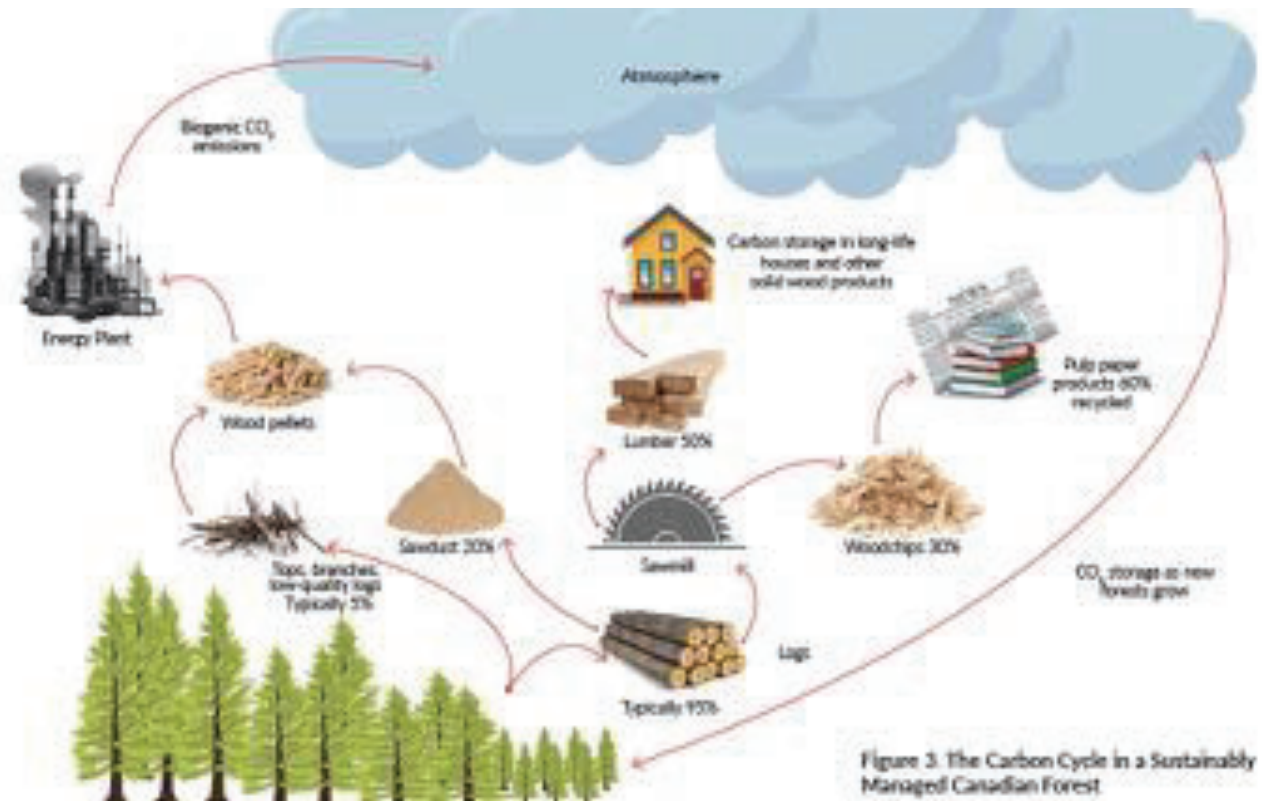


14 production facilities

70% of
Canada's
production
capacity

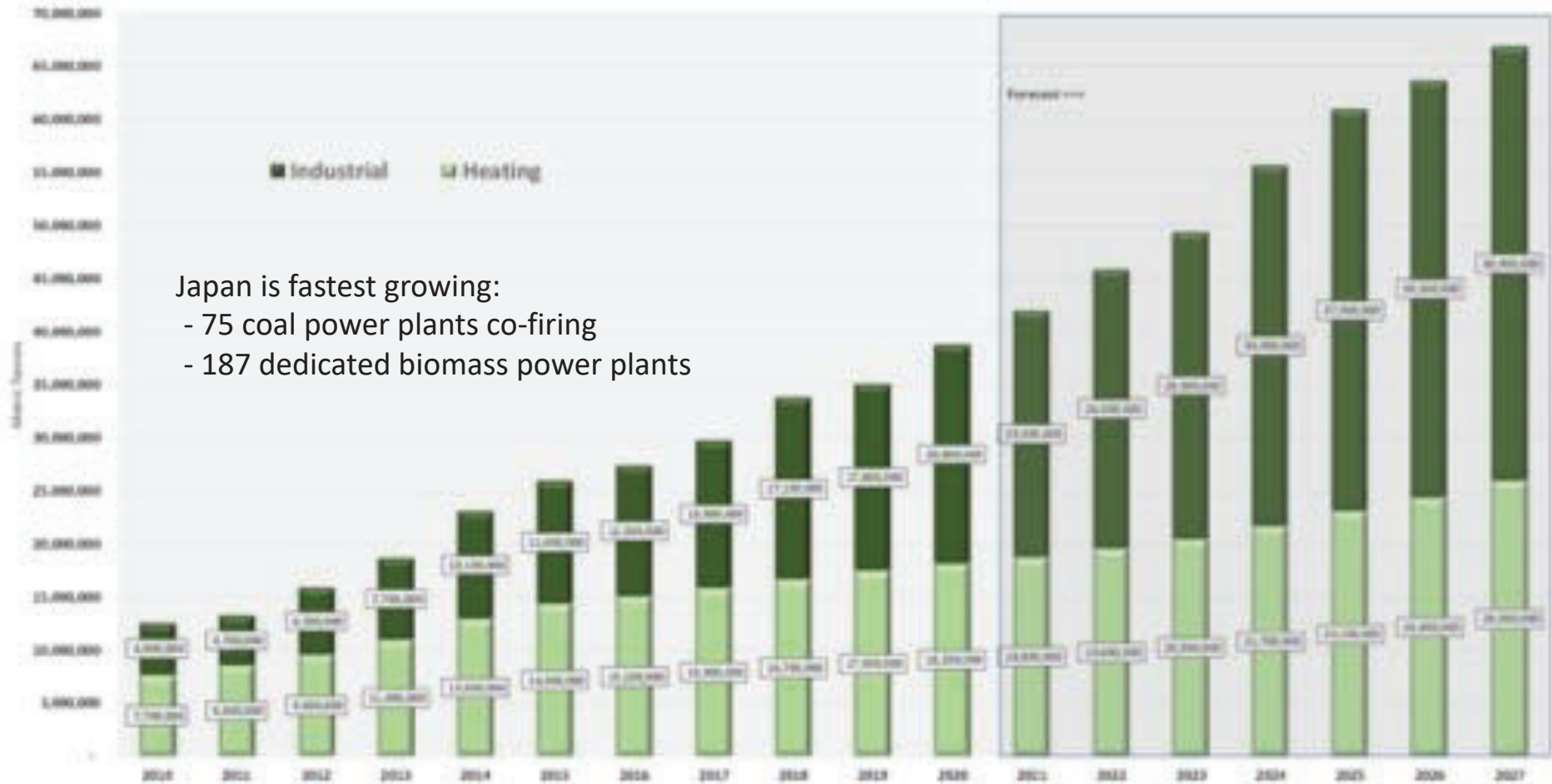
2.5 million tonnes
annual production
capacity

A United Forest Industry in the Fight Against Climate Change



The Growing Global Demand for Wood Pellets

Global Pellet Demand with the forecast under current policy in the industrial sector including Japan Co-firing plus Co-firing in the US, Germany, and Canada

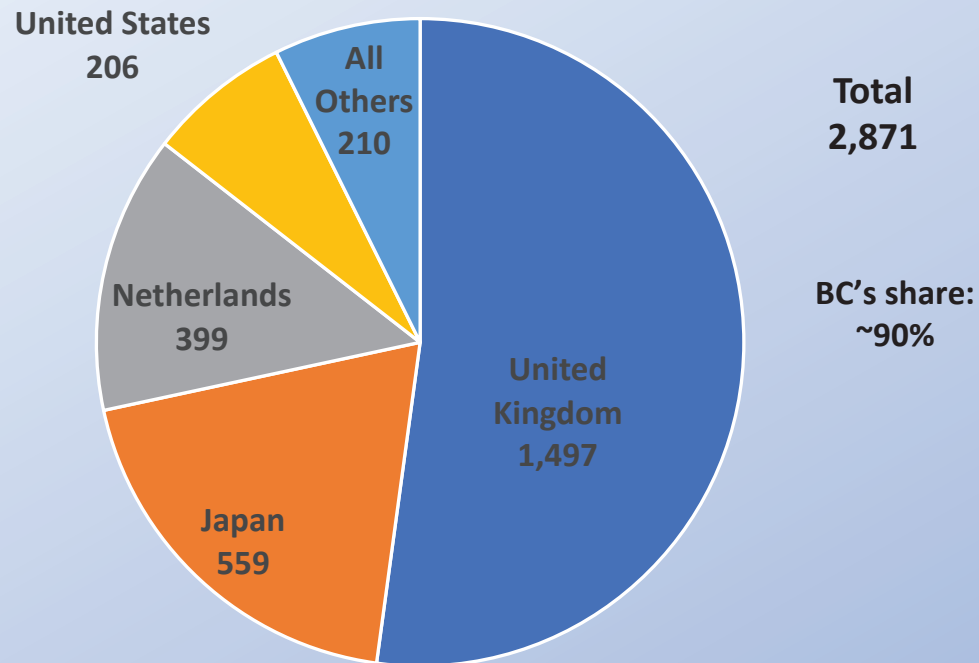


Japan is fastest growing:
 - 75 coal power plants co-firing
 - 187 dedicated biomass power plants

Source: International Trade Data, BioEnergy Europe, January 2021. Analysis and Forecast by FutureMarket

BC Pellets Fueling Sustainable Energy Globally

Canadian Wood Pellets, 2020
Thousand Tonnes

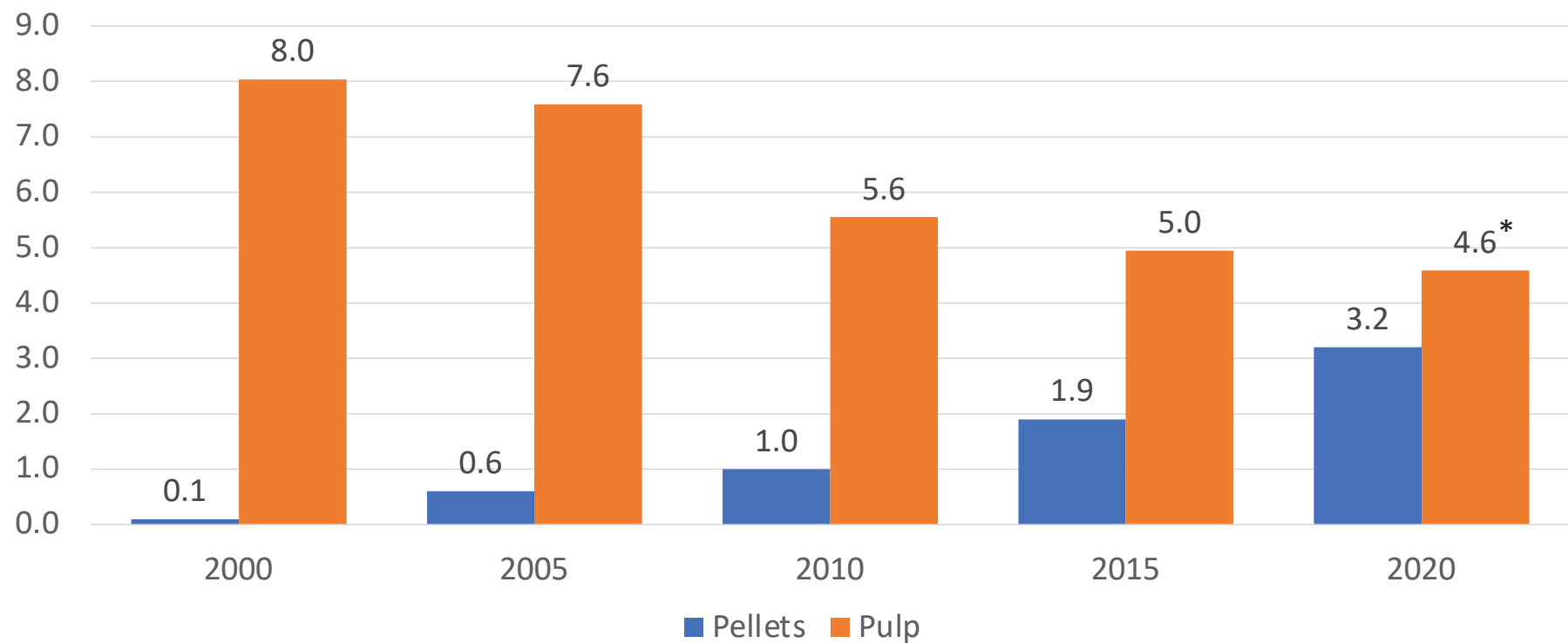


UK's DRAX aims to be the world's first carbon negative power station using BC pellets and carbon capture technology.

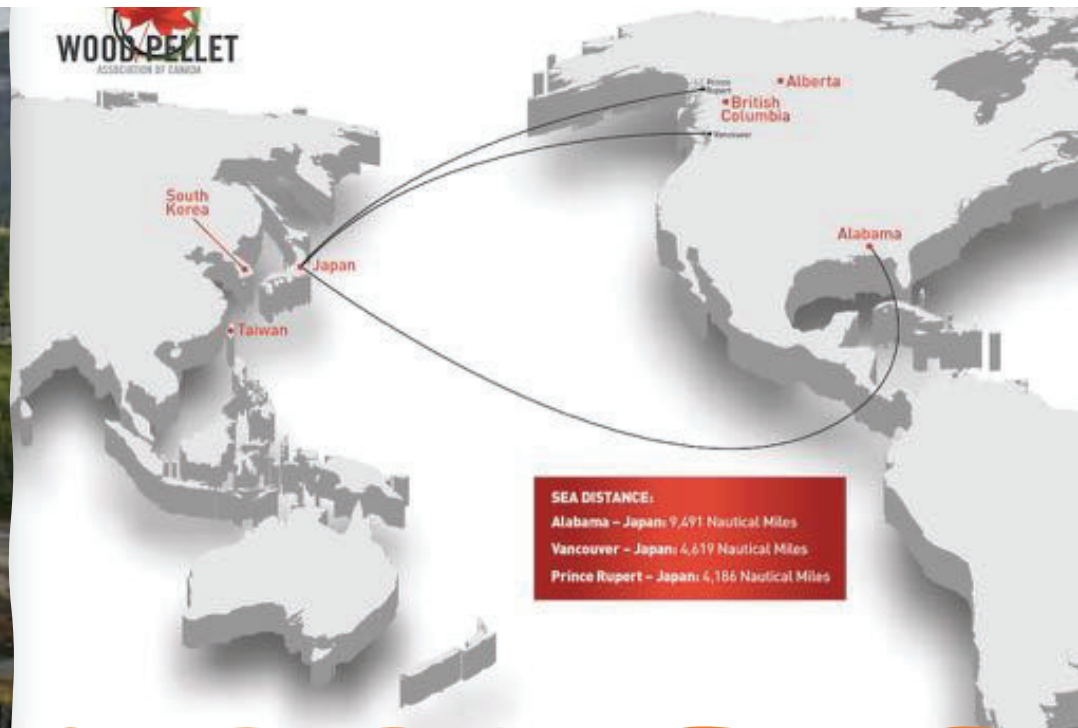


Japan has set a goal of increasing its renewable power consumption to 22 to 24 % by 2030.

BC's pellet and pulp production (mm tonnes)

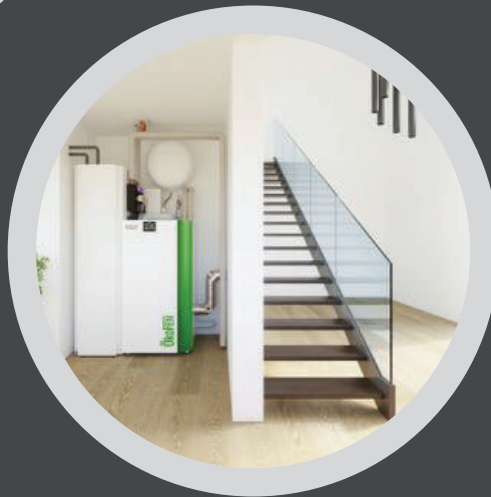


**based on 30% of NRCAN reported figures for Canada*



Westview Terminal

- More than 50% of BC's pellets (1.25 million metric tonnes in 2020) are exported through the Port of Prince Rupert (Westview Terminal).
- Westview handles pellets for Pinnacle, Pacific Bioenergy, Canfor, Moricetown Indian Band, Skeena BioEnergy, West Fraser and Premium Pellet.
- In 2020 alone there was a 30% increase in pellet export volume, this is expected to rise by 60% to 2 million metric tonnes over the next 2-3 years.

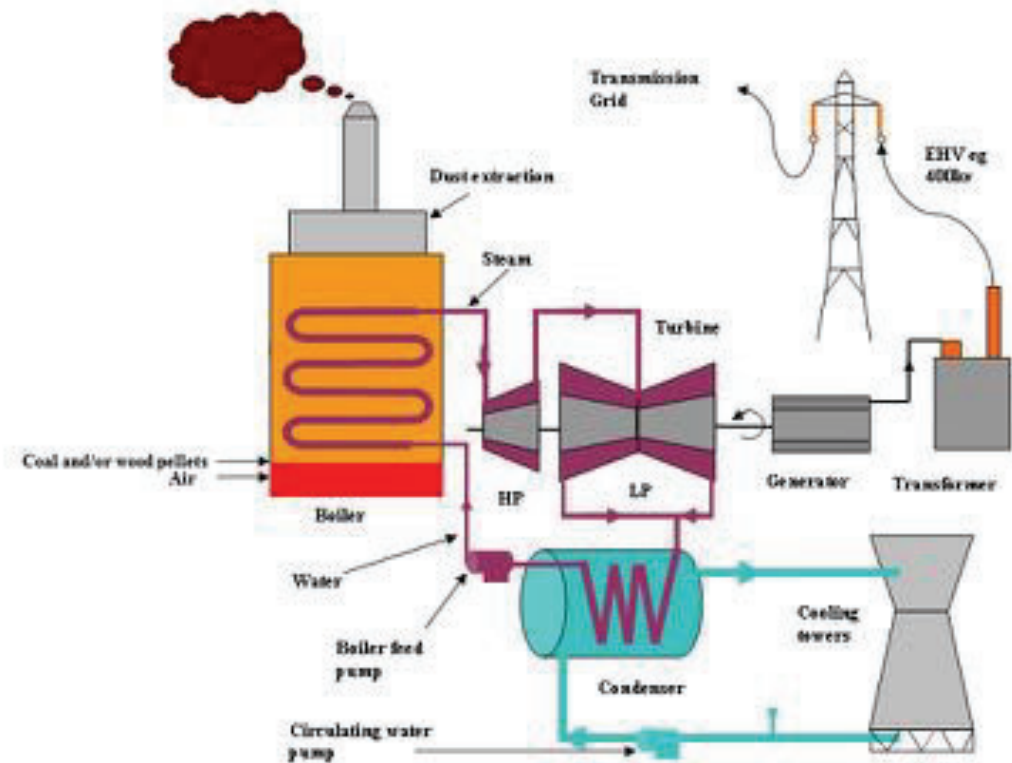


Traditional Wood Pellet Uses

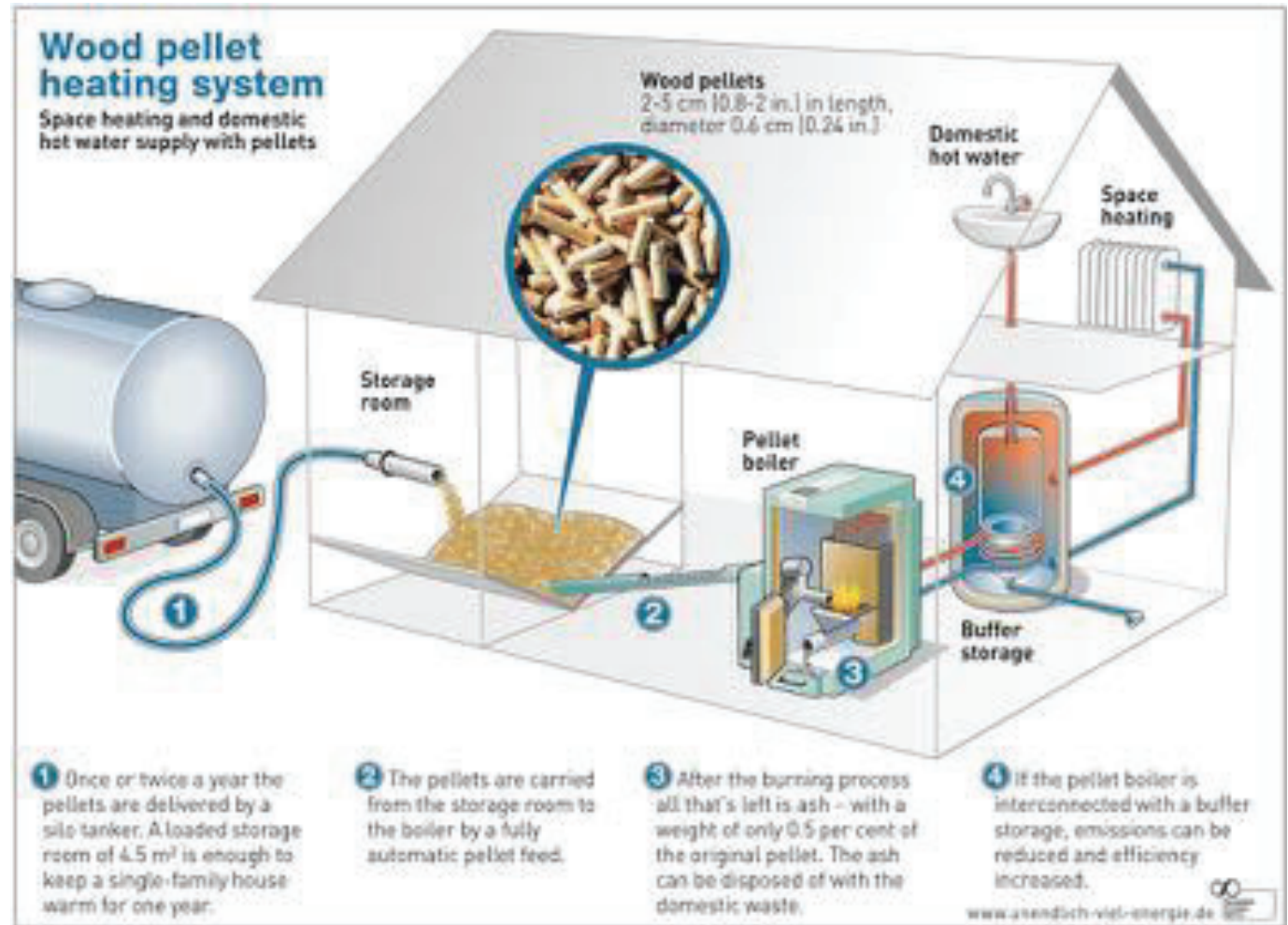
1. Replace coal in power generation.
2. Residential and commercial heat and industrial process heat.

Electricity from pellets

Co-firing with coal or
dedicated firing



Wood Pellet Heating



A World of Opportunities

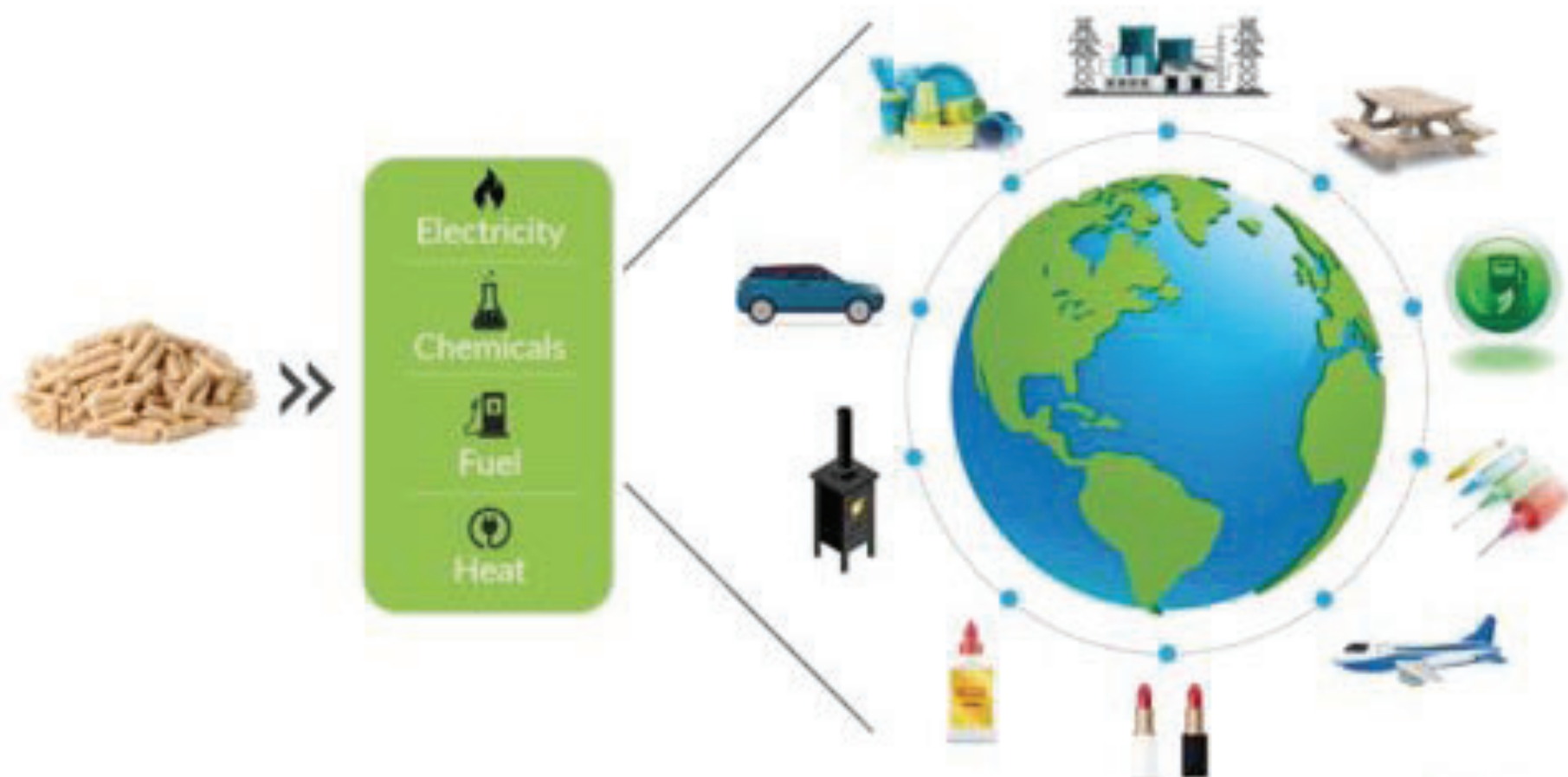
Pellets are the gateway to BC realizing the full potential of the bio-economy

Action:

- Support research and development of new, innovative wood-based bioenergy products, such as liquid biofuels.



Pellets: A World of Possibilities



Trees Must Go to Their Highest & Best Use

All of our fibre is either a direct by-product of the lumber industry, or the purposeful extraction of dead, diseased or damaged or low quality trees.

Action:

- Launch 3rd party review and verification of supply chain.



The Opportunity Ahead

- advance the use of forest residuals for advanced building materials, commercial products and renewable fuels;
- explore and support solutions to eliminate barriers to greater waste utilization;
- expand opportunities for liquid biofuels and local bioenergy systems;
- grow markets for pellets with an aim of supporting global efforts to reduce GHG emissions; and
- support the renewal of the B.C. Bioenergy Strategy and building out the bioenergy and biofuels cluster.



Thank You!



JOIN US ONLINE

**MARITIME BIOHEAT
CONFERENCE**

*Net Zero by 2030: Growing the Region's
Largest Source of Renewable Energy*

JUNE 2, 2021 @1pm Atlantic time

WOOD PELLET
ASSOCIATION OF CANADA