

TACKLE CLIMATE CHANGE BY USING WOOD

Carbon Cycle: Sustainable Forest Management and Wood Products

Growing forests absorb carbon dioxide and release oxygen

Carbon absorbed
 CO_2

Oxygen released
 O_2

Natural regeneration
and planting
begin the cycle

Carbon storage plateaus
in older forests and can
slowly be released as
trees decay or burn

Gradual release
 CO_2

Wood buildings store carbon
and it remains stored over
the lifetime of the building

Harvesting for wood
products ensures that
carbon continues to
be stored

① Brock Commons Tallwood House at the University of British Columbia is an 18-storey wood building completed in 2017.
Carbon stored and avoided greenhouse gas emissions: 2,432 metric tons of CO_2 . Equivalent to 511 cars off the road for a year.

② Mountain Equipment Co-op Headquarters in Vancouver, British Columbia was completed in 2014.
Carbon stored and avoided greenhouse gas emissions: 2,940 metric tons of CO_2 . Equivalent to 618 cars off the road for a year.