INCREASING DEMANDS ON THE WORLD’S FORESTS

for wood, fibre, fuel, food and more ecosystem services:

Annual demand for wood alone is EXPECTED TO TRIPLE BY 2050 to more than 13 billion m$^3$ – equivalent to 4 million Olympic size swimming pools full of wood each year.

PRODUCTS & ENERGY

Sustainably managed forests provide raw material for a broad variety of every day goods, be that paper or packaging, personal care, pharmaceuticals or construction material. THESE ARE RENEWABLE & WIDELY RECYCLABLE.

Energy from wood is the single most important source of RENEWABLE ENERGY, representing 9% of the TOTAL PRIMARY ENERGY SUPPLY worldwide.

CARBON STORAGE

Sustainable forest management and responsible use of forest products present the most effective and cost-competitive NATURAL CARBON CAPTURE and STORAGE SYSTEM.

Global forest carbon stocks are estimated to be 861 BILLION TONNES or 27x the world’s annual carbon emissions from fossil fuels.

Wood products store carbon at a rate of 189 million tonnes per year and growing. That’s equivalent to REMOVING 693 MILLION TONNES of CO$^2$ from the atmosphere annually.

BENEFITS OF SUSTAINABLE FOREST MANAGEMENT FOR PEOPLE & PLANET

TO MEET DEMAND IN A RESPONSIBLE WAY FORESTS MUST BE SUSTAINABLY MANAGED AND USED

There are different forest types from natural forests to plantations. All are critically important and complement each other in meeting different needs. Managing these forest types responsibly means reducing climate change risks, providing critical ecosystem services that make life on earth possible, generating industrial wood and fibre for a wide range of traditional products and innovative bio-product solutions, providing food and renewable energy, sustaining livelihoods and delivering recreational benefits.

SOCIAL

The forest products industry employs 14 MILLION PEOPLE GLOBALLY and forests directly affect the livelihoods of 20% OF THE WORLD’S POPULATION.

We all depend on the goods and services forests generate and benefit from the educational, recreational, cultural and spiritual values forests provide.

BENEFITS OF SUSTAINABLE WATERSHED MANAGEMENT:

- Forested watersheds reduce the cost of water treatment significantly
- Projected cost savings range from $115 to $37 per million gallons
- WATER TREATMENT COST (US$ Per Million Gallons)

WATER TREATMENT COST

SOURCES AND REFERENCES

FAO; Global Partnership on Forest Landscape Restoration; IPCC AR 4; Pan et al. 2011; Pöyry; United States Department of Agriculture & Forest Service; The Brazilian Forest Dialogue; WBCSD; World Resources Institute; WWF International; PwC; Mach et al. 2011; The Trust for Public Land; American Water Works Association; United Nations