

WOOD:

Our Answer to Inclusive Growth and Climate Change

A Presentation for
PWPA 67th Annual General Assembly

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WHO IS PWPA?

Philippine Wood Producers Association

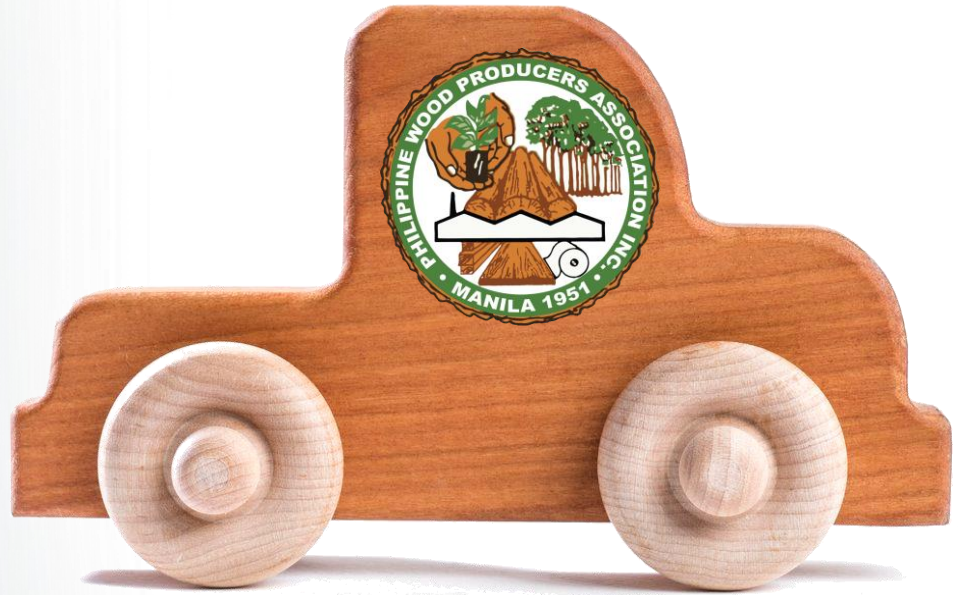
- Non-government, Non-profit
- Over 350 members: key players in the domestic wood and forest products industry involved in plantation, logging, downstream manufacturing, import-export trading, furniture-making, etc.



USING WOOD IS GOOD

Our PWPA Advocacy

Wood can
SUBSTANTIALLY
CONTRIBUTE to
Philippine inclusive
growth and
development goals



WHY WOOD USE?

It is good for the:

- (1) Environment
- (2) Labor Sector
- (3) Economy



AVAILABLE PRODUCTION REQUIREMENTS

TREE = Seedling
+ Water
+ Sunlight
+ Carbon Dioxide



50%

MASS of Dry Wood is
estimated to be

CARBON

SOURCE: SEAN C.T., Adam R.M.,
2012. Carbon Content of
Tree Tissues: A Synthesis.



30%

of all CO₂ Emissions
removed via

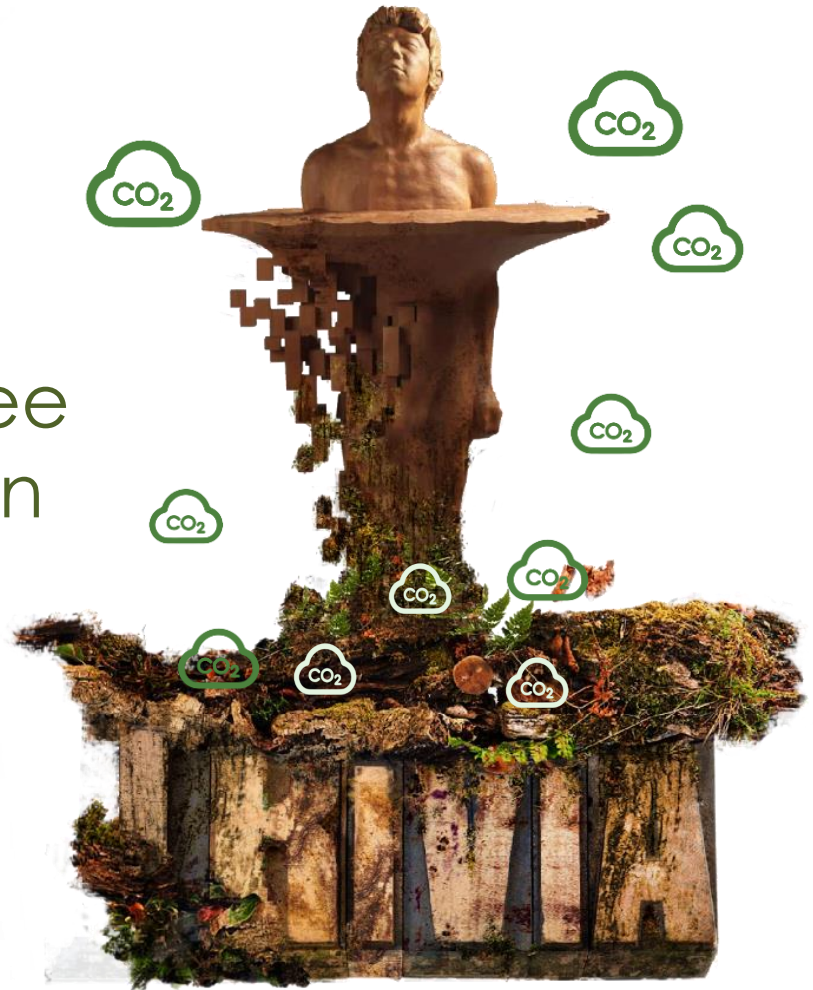
PHOTOSYNTHESIS



RETURN

of all CO₂ absorbed by tree
back to atmosphere when
wood is allowed to

DECOMPOSE



100% UTILITY

Virtually all tree parts may be harvested and turned into products.



WOOD USE
results to
virtually
ZERO
WASTAGE



SUSTAINABILITY

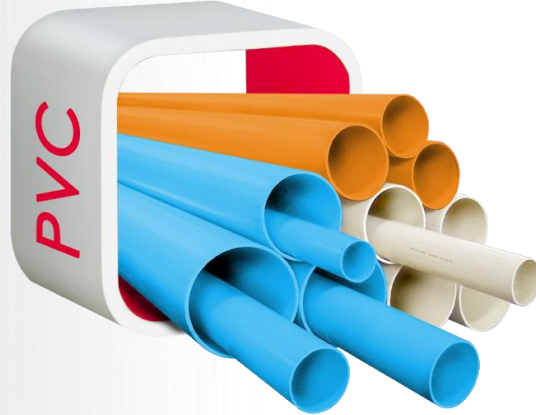
Wood Production need not require excessive energy or resources to produce.



NET CO₂ EMISSION + CARBON SINK EFFECT

SOURCE: A COMPARISON OF
CO₂ PRODUCTION OF
DIFFERENT MATERIALS,
RTS ENVIRONMENTAL
REPORTING FOR BUILDING
MATERIALS, 1998-2001

+5,000 kg CO₂/m³



-1,000 kg CO₂/m³



+27,000 kg CO₂/m³



+700 kg CO₂/m³

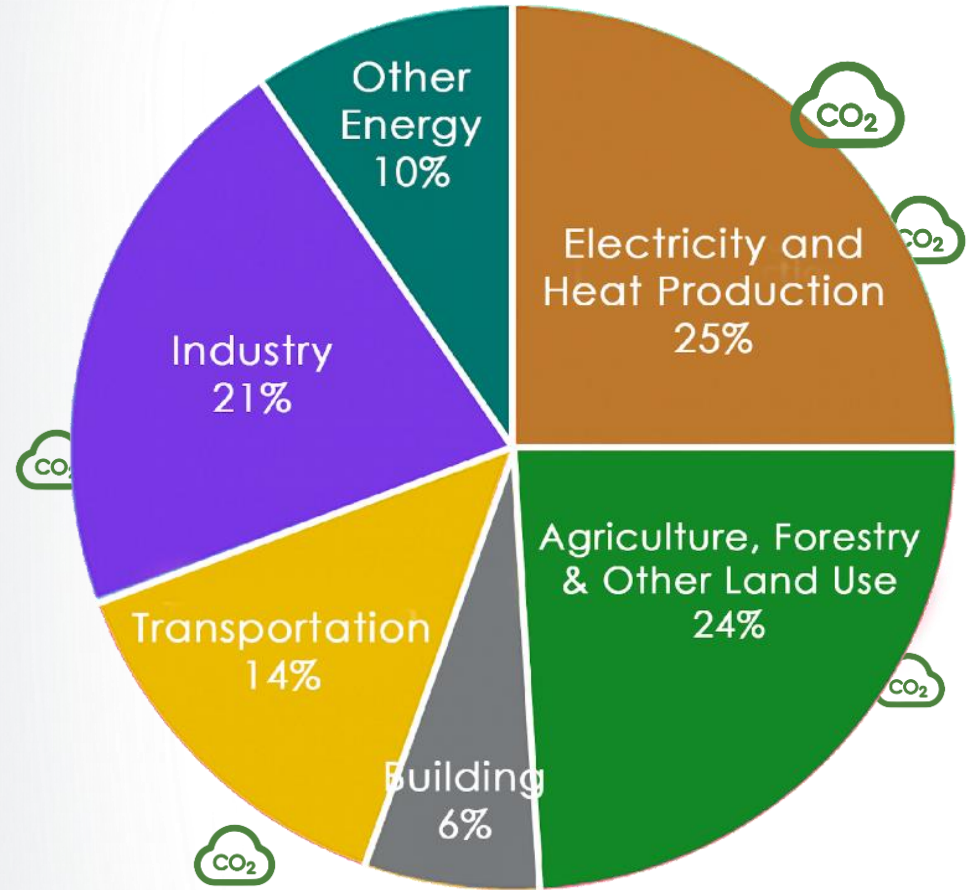
SIMPLY USE WOOD

So Carbon stays
INSIDE the wood,
away from our
atmosphere.



GLOBAL EMISSIONS BY ECONOMIC SECTOR

SOURCE: IPCC (2014) based on global emissions from 2010. Details about the sources included in these estimates can be found in the Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change.



2B metric ton
METHANE*
produced by cows yearly
CO₂-like Gas
Emissions

*METHANE effect 23 times HIGHER than negative effect of CO₂ to global warming



WHY WE BELIEVE USING WOOD IS GOOD

Our ENVIRONMENT
benefits in
mitigating effects
of Climate Change



USE. MORE. WOOD.

INCREASE Wood Use =
BETTER Business Venture =
MORE Planters of Trees =
Stable Local Jobs
CREATION =
Sustainable INCOME for
Public, Private Sectors



SOUND INVESTMENT

Falcata Plantation Investment /100 ha
= P 10M

Years to grow
= 10 years

Average Volume/ha
= 200 cubic meters

Average SRP/m³
= P 3,000

NET INCOME approx = P500M

STARTING YEAR 11



5.02 MAN-DAYS REQUIRED

to grow and harvest
1m³ of Falcata Logs

100,000 ha tree
plantation will require
321,800 FULL-TIME JOBS



SOURCE: ECOSYSTEMS DEVELOPMENT Journal
(E&DJ) Study led by Antonio Carandang

WOOD
USE
CREATES
STABLE
WOOD
JOBS.



PHILIPPINE FOREST LAND USE DISTRIBUTION

SOURCE: 2015
PHILIPPINE FORESTRY
STATISTICS, FMB-DENR



AVAILABLE
Land Area
+
LOCAL
Market Demand
=
OPPORTUNITY



FINLAND Before

Land Area:

30M Hectares

Forest Cover:

9M Hectares



FINLAND Today

Land Area: 30M Hectares

Forest Cover: 22M ha

Forest Industry Economic
Contributions:

\$7B = 4% GDP

65,000 jobs

\$2.6B Exports

Annual CO₂ Absorption:
35 million metric tons



With a little help,
PHILIPPINES
CAN BE A
GLOBAL
WOOD
SUPER
POWER,
TOO.



3 Proposed Steps for the State:

1. Seriously consider and pass
**NLUA, SFMA & Forest Limits
BILLS** to allow tree farms in Ph.

2. Develop a **National Forest
Certification System**.

3. Make the Statute and IRR
Investment-friendly.



SHARE THIS TRUTH ABOUT WOOD.

The PWPA Commitment via a
Three (3)-year
Communication Plan
to help everyone make a
properly-informed
decision for the Philippines.



USE MORE WOOD.

INCREASE Wood Use =
LUCRATIVE Business for investors =
Establishment of PH TREE FARMS =
INCREASE PH Forest Covers =
GROW Stable Local Jobs =
Sustainable INCOME for Private Sector =
More TAXES for the State =
OFFSET CO₂ emissions of Ph =



USING WOOD IS GOOD

LET'S DO THIS
TOGETHER.

