

Impact of Carbon Trading on The Environment

**66th Annual Membership Meeting
Philippine Wood Producers Association (PWPA),
Inc.**

06 October 2017

Dr. Ed Alabastro



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CLIMATE CHANGE IS UPON US

Typhoon Ondoy



Typhoon Yolanda



Typhoon Harvey



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GHGs - THE PLANETARY TERRORISTS

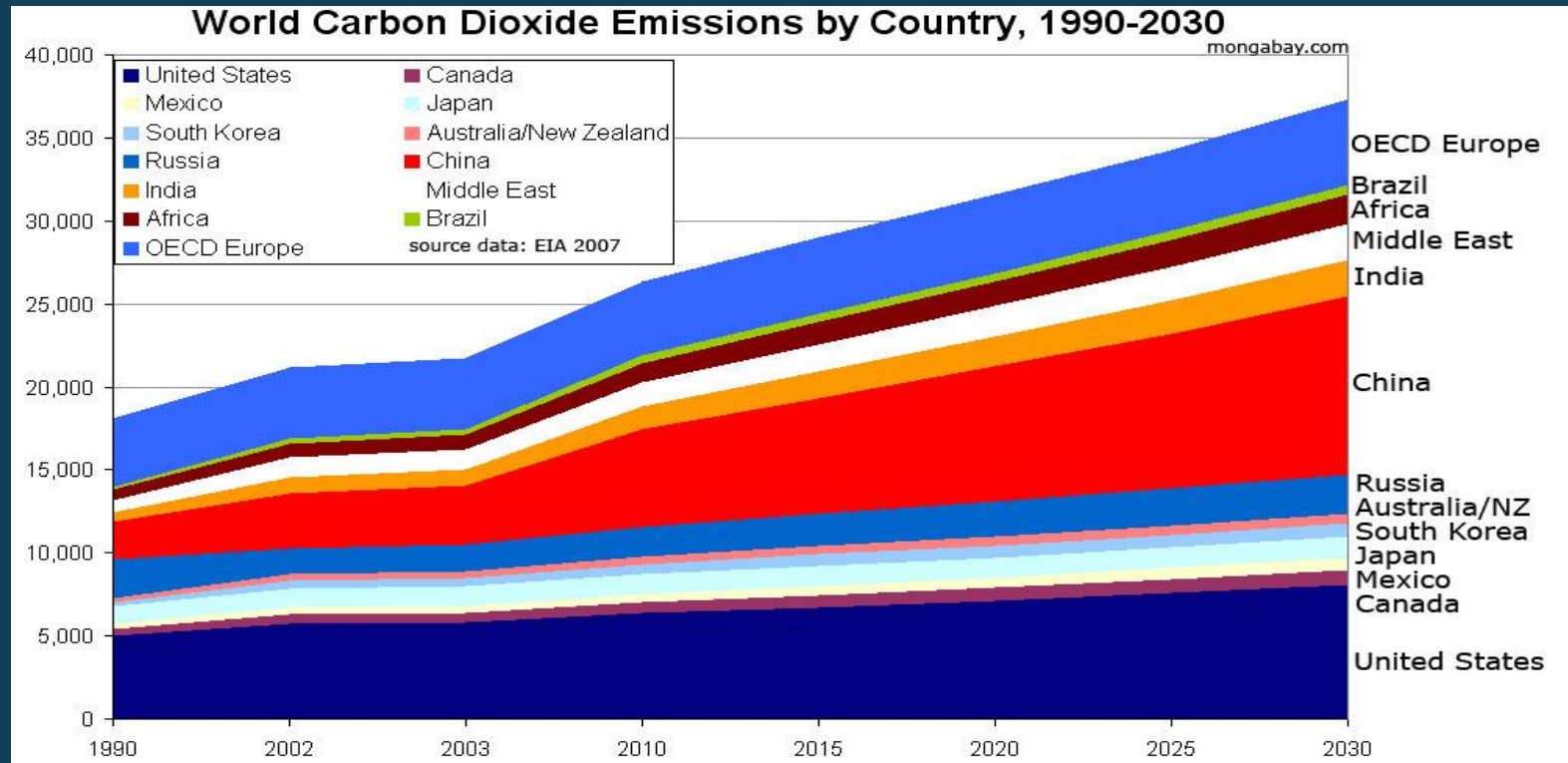
- Carbon Dioxide
- Nitrous Oxide
- Sulfur Dioxide
- Methane
- Water Vapour

**Before - GHGs Were Friends Which Saved Us From
The Ice Age But Now
The Enemies Of Planet Earth, The Global Terrorists
That Make The ISIS Look Like Petty Criminals** *(Dr Ed
Trade In Issue 8, 2016)*



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THE PHL AND GLOBAL GHG FOOTPRINTS



THE PHILIPPINES 11.2959 (Mte) in 2015



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HOW THE PHL MAY RESPOND.. SOME INSIGHTS

100% REDUCTION



Clean Air, Clean Water,
Clean Land And A Happy
Family!

BUT STILL



Manila Bay Sept 2011 Typhoon

Climate Change-
Induced Disasters



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HOW THE PHL MAY RESPOND.. SOME INSIGHTS

70% REDUCTION



Manila-Paris Declaration....

FPI authored the commitment in the Declaration that industry support to Phl mitigation efforts should be aligned to the country's **priorities, circumstances and capabilities)**



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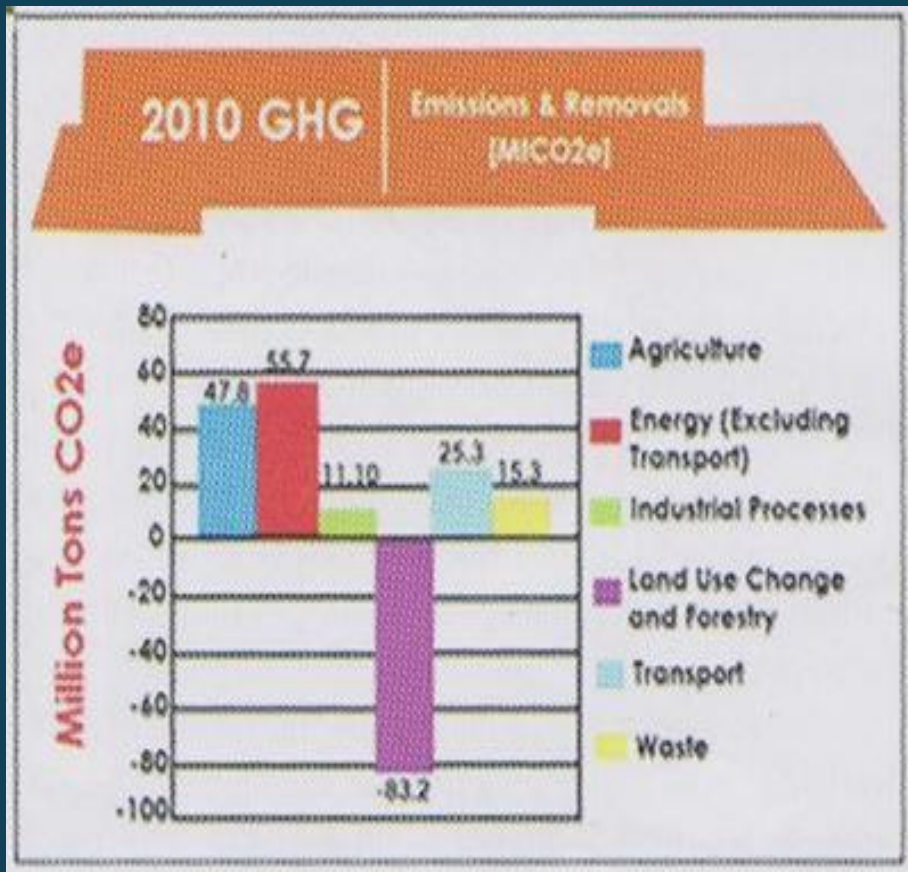
VIA CO-BENEFIT MEASURES

Halt to Deforestation



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REFORESTATION (LUCF)



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OTHER CO-BENEFIT MEASURES

- WATER DEMAND AND USE MANAGEMENT
- ENERGY EFFICIENCY
DEMAND SIDE MANAGEMENT
("DSM")



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CARBON TRADING

Carbon Credit : Tradable certificate or permit representing the right to emit one ton of carbon dioxide or equivalent another GHG

Carbon Emission Reduction (CER): Certification given developing countries that they have reduced GHG emissions.

An outcome of the Kyoto protocol signed and ratified by 169 countries; USA signed but did not ratify.

Market mechanism ratified in Marrakesh.



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INTERNATIONAL EMISSIONS TRADING

Emissions trading, as set out in Article 17 of the Kyoto Protocol, allows countries that have emission units to spare - emissions permitted them but not "used" - to sell this excess capacity to countries that are over their targets.

**QUESTIONS: IF WE ADOPT THE AMBITIOUS
AND VAGUE 70% REDUCTION
CAN WE QUALIFY IN CARBON TRADING??**

**IF UNABLE TO MEET REDUCTIONS DO WE
NEED TO BUY CREDITS? IF SO WITH WHAT
MONEY?**



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KEY WORDS OF WISDOM (DR ELY OUANO, From his paper before the NAST and the PIChE)

- Most drastic and ultimate sacrifice of Filipinos no perceptible reduction on impacts of climate change.
- Phil emission at 0.003 per annum miniscule
- The 70% reduction not quantified. Dr Ouano estimated \$5.2 B per year to meet this reduction. He fears that wrong policy will throw the Filipinos to mendicacy
- China has no emission limits
- Big emitters like India (>300 %) hide emissions by using energy intensity
- Phil policies should be oriented to the needs of the Filipinos and not dictated by pressure groups.



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CARBON TRADING AND THE “ENVIRONMENT”

What is “**ENVIRONMENT**” in the Universe of GHGs?



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AIR

WATER/
LAND



AIR

WATER

LAND

Project sites are the Environment



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IN SUMMARY MY PERSONAL AND CONSIDERED PERSPECTIVES:

THE PHL BY ITSELF ALONE CANNOT SAVE THE PLANET FROM THE GLOBAL
TERRORISTS CALLED GHGs

I WILL STAND FOR CO BENEFIT MEASURES

- FORESTATION/STOP DEFORESTATION
- TRAFFIC DECONGESTIONS
- ENERGY AND WATER DEMAND SIDE MANAGEMENT AND
EFFICIENCY MEASURES

LET US ASK THE GOVERNMENT TO NEGOTIATE THE NEXT NDC IN 2020 AND NOT
BASE IT FROM THE 70 % INDC (NOW NDC)

I WILL BE VERY CAREFUL IN ADOPTION OF CARBON TRADING

POPULATION IS ROOT CAUSE OF CLIMATE CHANGE



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IN SUMMARY MY PERSONAL AND CONSIDERED PERSPECTIVES:

THE 1 TON CO₂ THAT WE WILL TRADE TO A HIGHLY EMITTING COUNTRY ALLOWS THIS COUNTRY TO EMIT 1 TON CO₂. THUS FROM AN OVERALL MASS BALANCE THE ATMOSPHERE MAY NOT NECESSARILY BENEFIT. CARBON TRADING IS **EXCHANGE** OF CO₂ NOT NECESSARILY **REDUCTION**.

I WILL ASK POLICY MAKERS AND LEGISLATORS TO **SCIENTIFICALLY** STUDY THE LIFE CYCLE OF THE GHG TRADED. *E.G. THE COUNTRY RECIPIENT OF THE 1 TON CO₂ MAY BE ACTUALLY SELLING US INSTRUMENTATION COMPONENTS OF SAY RENEWABLE ENERGY PROJECTS*



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IN SUMMARY MY PERSONAL AND CONSIDERED PERSPECTIVES:

VIS-À-VIS “**ENVIRONMENT**” I AM **NOT** PREPARED TO SAY THAT CARBON TRADING DIRECTLY HELPS THE ENVIRONMENT. E.G...THE MUCH “ATTACKED” COAL POWER PLANTS NOT HURTING THE ENVIRONMENT IF THESE COMPLY WITH THE DENR REGULATIONS. IF THEY DO WHY ARE THEY BEING ALLOWED TO OPERATE.



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IN SUMMARY MY PERSONAL AND CONSIDERED PERSPECTIVES:

WITH SMALL EMITTING COUNTRIES SEND STRONG
MESSAGE TO THE BIG EMITTERS..

BETTER TO MAKE CORRECT MISTAKES THAN WRONG
MISTAKES (Dr Ed San Diego 2010)

ASK GOVT TO CHANNEL RESOURCES AND ENERGY TO
BUILDING RESILIENT COMMUNITIES. FORESTATION WILL
HELP.

I AM AVOIDING POLITICS IN THIS PAPER.



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ROADWAYS FORWARD FOR PWPA

- ✓ GO WITH THE GREENING PROGRAMME
- ✓ *ASSIST ENVIRONMENTALLY CRITICAL PROJECTS WITH THEIR CARBON SINK PROGRAMME*
- ✓ WORKS CLOSELY WITH FEDERATION OF PHL INDUSTRIES ON SCIENCE-BASED AND CONTINUING CONSULTATIONS WITH CLIMATE CHANGE COMMISSION AND INVOLVED EXECUTIVE BRANCHES



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THANK YOU !