

YMI Environment Committee & APAY Green Team



Colin Lambie



Asia and Pacific Alliance of

YMCAs



*We are a federation of YMCA movements
in Asia and Pacific area.*

YMI Environment Committee



At 2007 International Council Meeting, my first as AP for South Pacific, I proposed motion: ICM to establish task force to consider implications and cost of becoming 'carbon neutral'.

The motion was carried unanimously

YMI Environment Committee



At 2009 ICM, motion to adopt 'environment policy' was carried (19/2)

Environment Policy included:

The amount of greenhouse gases (GHG) emitted due to everything other than air travel is insignificant. About half the GHG emissions are due to the air travel of the IEO's, the AP's and the ICM's. About one sixth is due to BF delegates. About one sixth is due to the International Convention committee and the Endowment Trustees. The rest is due to the air travel of ISD's, ASD's, RD's, etc.

YMI Environment Committee



Environment Policy Proposed Actions:

- Establish a 'Green Team' or 'Environment Committee'.
- The Green Team will raise the awareness and understanding of greenhouse gas emissions within Y'sdom:
- The Green Team will (call for and) prioritise appropriate (GHG emissions reduction) projects that meet the criteria and recommend to the following International Council Meeting.
- The ICM will approve projects that fit within the budget. The initial budget (2009-10) will be CHF 14,000. The first ICM to approve projects will be ICM-2010.
- The budget has been CHF 15,000 until this year, now CHF 10,000.

YMI Environment Committee



- The first GHG / CO₂-e emissions reduction project to apply for funds was from the Y Service Club of Geelong.
- AUD\$3,168 was requested to install timers on electric heaters in the bedrooms at Camp Wyuna.
- The estimated saving in electricity was 288,000kWh over ten years.
- The CO₂-e emissions per kWh in Victoria at that time was 1.34kg/kWh or 1.34 tonnes per 1000kWh. Hence saving over ten years was 386 tonnes.
- At project cost of \$3,168, cost per tonne of emissions saved was \$8.21.





Y's Men International Care for the Earth

Reduce Carbon Emission

Slowdown Global Warming and Climate Change

Biogas project of farmers in Chiang Mai, Thailand



With cooperation of the YMCA of Chiangmai, Y's Men International support 10 biogas systems for farmers in northern rural Thailand to reduce carbon emission and green house gas from the waste of the cow at the dairy farms.

Y's Men International Care for the Earth



Reduce Carbon Emission
Slowdown Global Warming and Climate Change
Lighting system of Chiangrai YMCA, Thailand



By the support of Y's Men International at Chaingrai YMCA energy-saving compact fluorescent bulbs were changed in the hotel rooms, kindergarten, language school and YMCA building to reduce carbon emission. YMCA team also educate children and communities to reduce carbon foot print and have environmentally friendly lifestyle.

Compost Bins provided to community around Moratuwa, Sri Lanka



Each tonne of organic waste disposed of as landfill and broken down by anaerobic fermentation releases about one tonne of carbon dioxide equivalents (CO₂-e) of greenhouse gases, mostly in the form of methane.

However, the aerobic process of composting does not produce methane because methane producing microbes are not active in the presence of oxygen.

**Some might say I am
keen on solar PV.**

**Solar (& other
renewables) reduce
greenhouse gases.**

**So how many solar
systems have we
funded?**



So how many solar systems have we funded? Ans = 1

Reluctantly, based on it being a trial. It, and others that have been applied for are higher cost on \$ per tonne of CO2-e emissions saved.



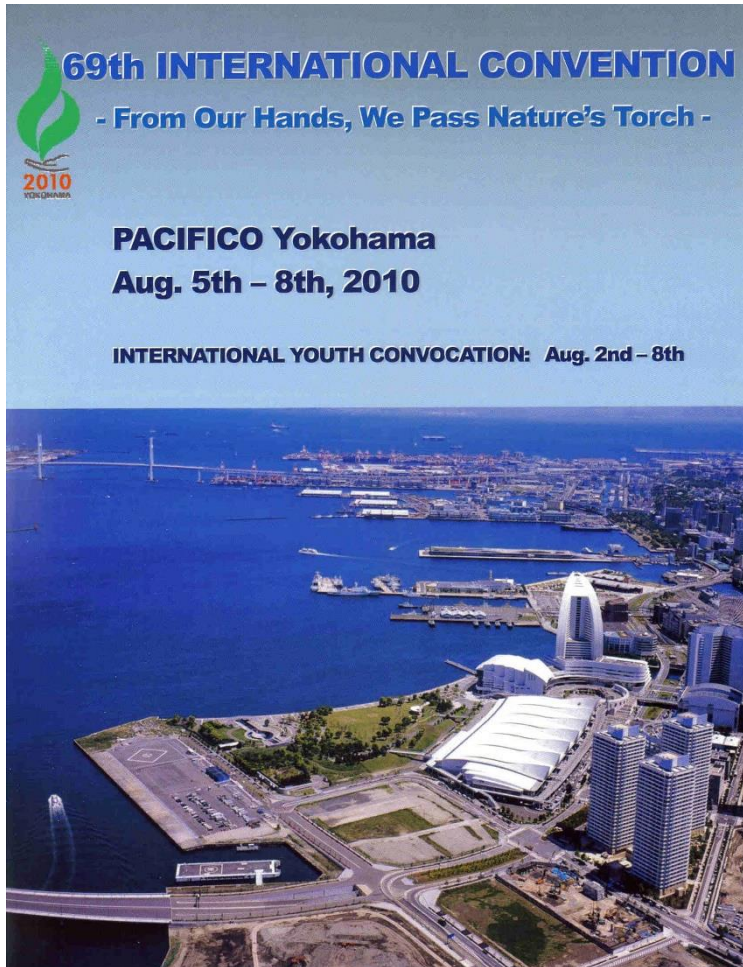
A village near Chiang Mai, Thailand – grant provided to upgrade lighting in homes to LED.



Latest Projects

- **“Healthy Community & Green Nature in Low Carbon Society” in Chiang Mai, Thailand for CHF 5,000**
- **“Reduction of Carbon Emission (ROCE) Project” in Myanmar for CHF 2,675 for the lighting portion only**
- **"Y's Menettes Renewable Energy Project (YMREP)" in Jamaica for lighting for CHF 619**

YMI International Convention at Yokohama, 2010 – Yokohama Declaration



69th INTERNATIONAL CONVENTION
- From Our Hands, We Pass Nature's Torch -
2010
Yokohama

PACIFICO Yokohama
Aug. 5th – 8th, 2010

INTERNATIONAL YOUTH CONVOCATION: Aug. 2nd – 8th

- As Chair of YMI Green Team I was invited to lead the Environment Workshop at YMI International Convention in Yokohama in 2010.
- The Outcome, the “Yokohama Declaration”:
- “We recognise the real threat to life due to the changing environment and limited availability of resources. All members are encouraged to help minimise the impact through their behaviour and actions. Y’s Men International will be carbon neutral from 2010-11.”

YMCA Australia Environment Working Group



- **In 2008 I was invited to join the YMCA Australia Environment Working Group**
- **I attended meetings regularly in Melb or via teleconf.**
- **Appeared to dissolve at end of 2012**



APAY Green Team



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In 2010 I was one of 2 YMCA Australia representatives at a meeting in Christchurch, NZ, which led to the formation of the APAY Green Team.



**The APAY
Green Team
was led by
APAY GS
Kohei
Yamada and
his Exec Asst
Jose
Varghese
(now YMI
ISG)**



APAY Green Team

- **Met regularly via skype**
- **Planned action**
- **Conducted Environment Workshop at APAY General Assembly at Penang in 2011. Patcharin Aviphan, Chiang Mai YMCA & I co-presented.**
- **Outcome was that training was required about: climate change, greenhouse gases, carbon footprints, carbon offsets, etc.**
- **Y Green Ambassador Training has been conducted most years since 2012.**

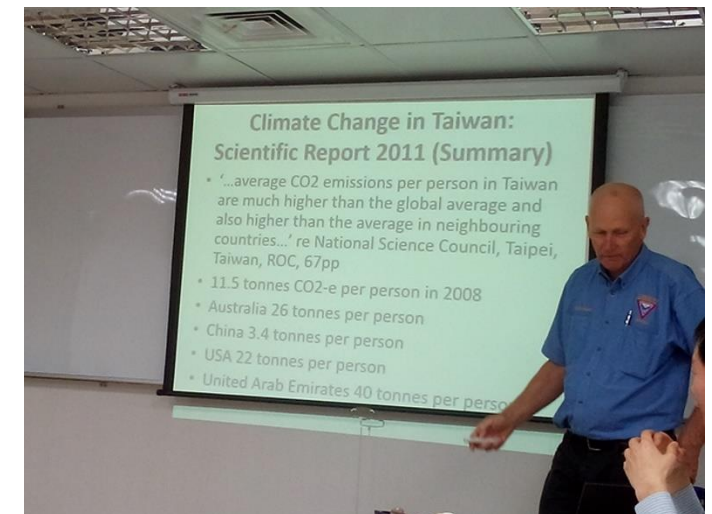
At APAY GA in Penang, we planted mangrove trees



Very few, if any mangrove trees survived. Tree planting not encouraged under YMI Carbon Offset program.

Y Green Ambassador Training

- I have co-presented the training at:
 - Chiang Mai, Thailand (4 times)
 - Bangladesh
 - Hong Kong
- I have presented the training at:
 - New Dehli, India
 - KL, Malaysia
 - Taipei, Taiwan





APAY General Assembly, South Korea 2015

**Co-presented again with
Patcharin Aviphan from
Chiang Mai YMCA.**



**With IP Wichian Boonmapajorn and
Patcharin**



Asia and Pacific Alliance of YMCAs
20th General Assembly 2019
"Living Together Within Nature on a Path to Peace"
Tozanso, Japan. 02 - 06 September 2019



APAY General Assembly, 2019 at Tozanso, Japan

- **Co-presented again with Patcharin Aviphan from Chiang Mai YMCA.**
- **My presentation included these questions (audience-show of hands required):**
- **Do you agree that climate change/global warming is a serious problem?**
- **Do you agree that we (humans) are main cause of current accelerated climate change?**
- **Do you agree that we (YMCAs) should continue to contribute to cause of climate change and leave it to others to solve the problem?**

APAY General Assembly, 2019 at Tozanso, Japan

- **My presentation included these questions:**
- **Do you agree that there has been too much talk and too little action on climate change?**
- **Do you agree that we should lead (with other caring orgs & businesses) in taking action on climate change?**
- **Should we have 'soft' targets, eg 'we shall love nature', or 'hard' targets, eg 'we shall reduce our contribution to climate change, eg become carbon neutral by 2030'?**

Mandate; document presented at end of General Assembly and included feedback from all workshops, included:

- ‘Commit to reduce the carbon emission and become carbon neutral by 2030’
- ‘Be environmentally sensitive...banning of single use plastic items, and being paperless in all our YMCA events’



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Then we got to relax:



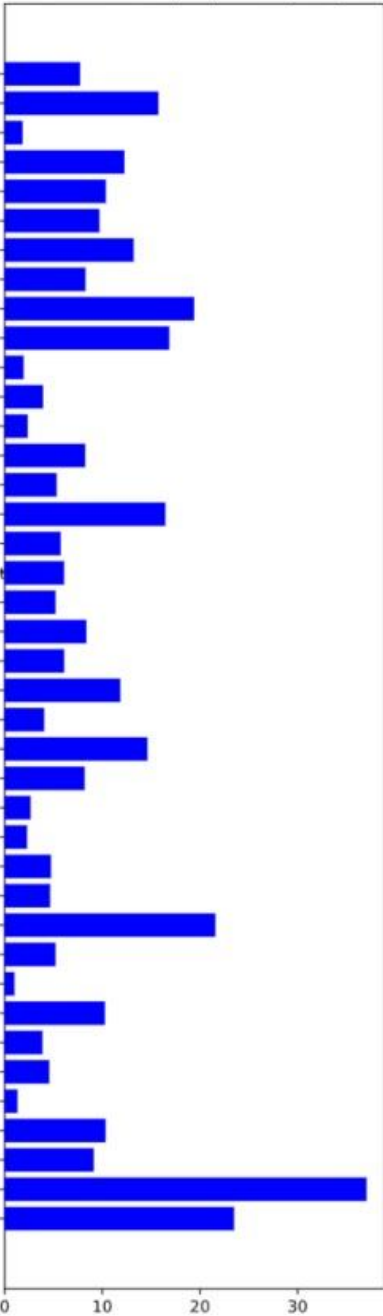
10 Year Plan to Become Carbon Neutral

- **Avoid, Reduce, Re-use, Recycle**
- **Upgrade lighting and other energy efficiency projects**
- **Install solar PV – enough to generate total consumed, or more as offset of emissions from use of gas, water, waste, etc**
- **At some point, cannot reduce anymore, so offset the rest, ie invest in carbon emission reduction projects elsewhere (eg upgrade of lighting or solar PV at a YMCA or UN Gold Standard offsets, etc)**
- **I plan to make Geelong YMCA an example to the rest of Australia (and to some extent the rest of Asia-Pacific)**

Total CO2 emissions 2017 (gigatons)

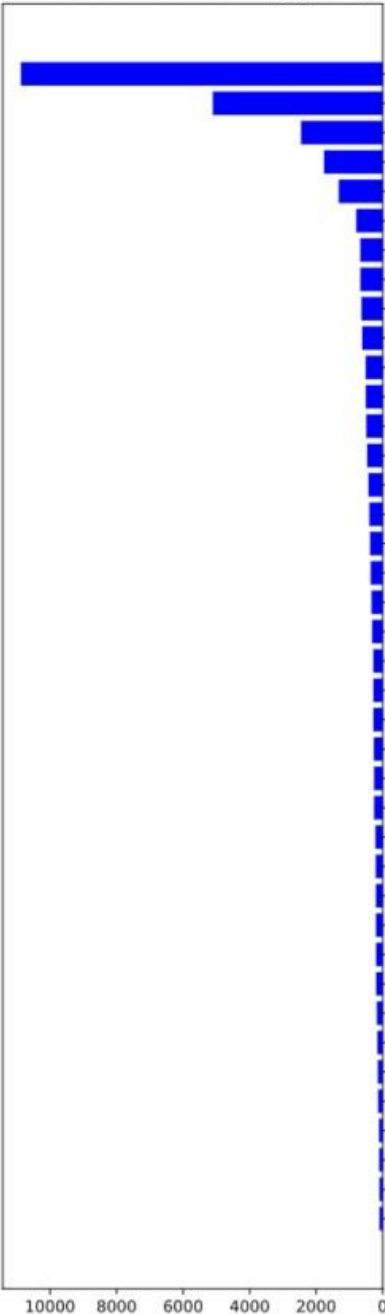


2017 CO2 Emissions per person (tons/person)

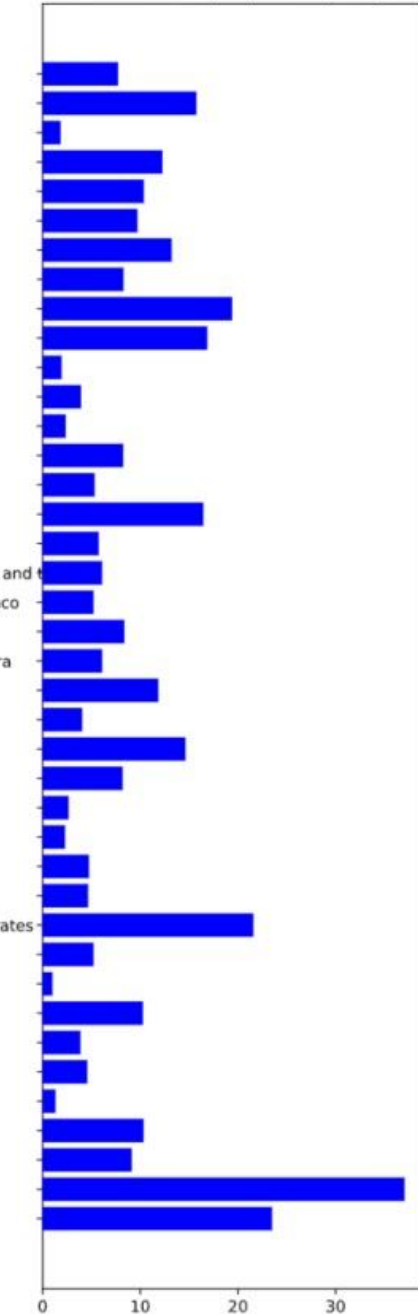


Questions I get: –
 - if Australia only contributes 1.5% of emissions in the world, why bother?

Total CO2 emissions 2017 (gigatons)

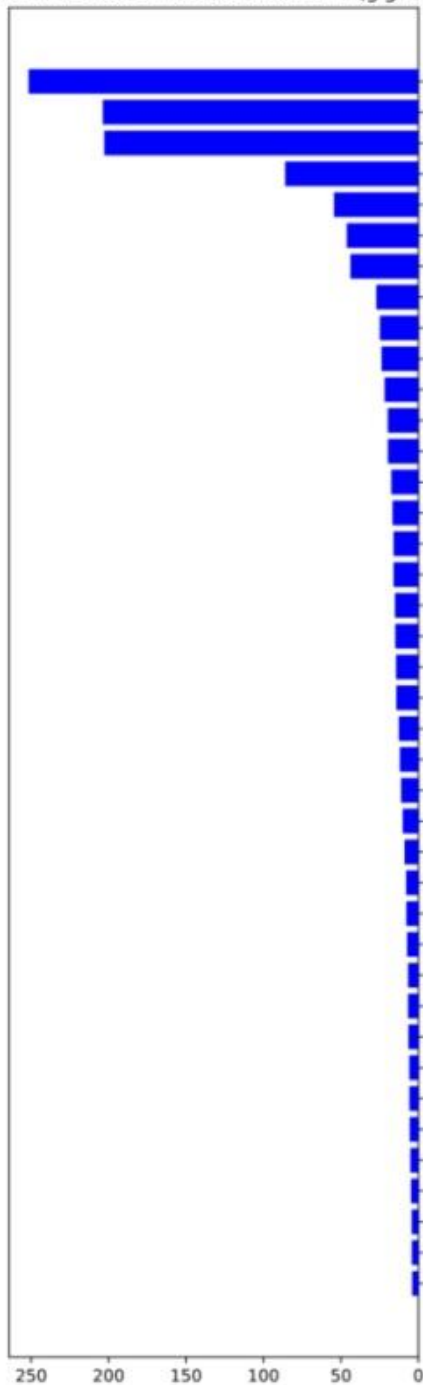


2017 CO2 Emissions per person (tons/person)



Questions I get: –
 - if Australia only contributes 1.5% of emissions in the world, why bother?
 Hence UK, France and 100+ other countries should not bother.

Cumulative CO2 emissions 1970-2017 (gigatons)



2017 CO2 Emissions (gigatons)



Cumulative emissions per country, 1970-2017, note that USA higher than China.

Questions I get – if Australia’s population is only 25 million and world population is 7 billion, why bother? Fix population, solve problem?

| | | | | |
|---|---|--|---|--|
| Qatar 49.2 <small>TCO₂/PERSON</small> 2.6m <small>POPULATION</small> | Bahrain 23.1 <small>TCO₂/PERSON</small> 1.5m <small>POPULATION</small> | Saudi Arabia 19.3 <small>TCO₂/PERSON</small> 32.9m <small>POPULATION</small> | Kazakhstan 16.1 <small>TCO₂/PERSON</small> 18m <small>POPULATION</small> | U.S. 16.2 <small>TCO₂/PERSON</small> 327.2m <small>POPULATION</small> |
| Trinidad & Tobago 29.7 <small>TCO₂/PERSON</small> 1.4 m <small>POPULATION</small> | Australia 16.9 <small>TCO₂/PERSON</small> 24.6m <small>POPULATION</small> | South Korea 12.1 <small>TCO₂/PERSON</small> 51.5m <small>POPULATION</small> | Turkmenistan 12.6 <small>TCO₂/PERSON</small> 5.8m <small>POPULATION</small> | Singapore 11.3 <small>TCO₂/PERSON</small> 5.6m <small>POPULATION</small> |
| Kuwait 25.2 <small>TCO₂/PERSON</small> 4.1m <small>POPULATION</small> | Estonia 15.1 <small>TCO₂/PERSON</small> 1.3m <small>POPULATION</small> | Taiwan 11.5 <small>TCO₂/PERSON</small> 23.6m <small>POPULATION</small> | Germany 9.7 <small>TCO₂/PERSON</small> 82.7m <small>POPULATION</small> | |
| United Arab Emirates 24.7 <small>TCO₂/PERSON</small> 9.4 m <small>POPULATION</small> | Canada 15.6 <small>TCO₂/PERSON</small> 36.7m <small>POPULATION</small> | Russia 11.8 <small>TCO₂/PERSON</small> 144.5m <small>POPULATION</small> | Mongolia 9.9 <small>TCO₂/PERSON</small> 3.1m <small>POPULATION</small> | |
| | Oman 14.1 <small>TCO₂/PERSON</small> 4.6m <small>POPULATION</small> | Czech Republic 10.2 <small>TCO₂/PERSON</small> 10.6m <small>POPULATION</small> | | |

Questions I get – if Australia’s population is only 25 million and world population is 7 billion, why bother? Fix population, solve problem?

| | | | | |
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| Qatar 49.2 tCO ₂ /PERSON 2.6m POPULATION | Bahrain 23.1 tCO ₂ /PERSON 1.5m POPULATION | Saudi Arabia 19.3 tCO ₂ /PERSON 32.9m POPULATION | Kazakhstan 16.1 tCO ₂ /PERSON 18m POPULATION | U.S. 16.2 tCO ₂ /PERSON 327.2m POPULATION |
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| | Oman 14.1 tCO ₂ /PERSON 4.6m POPULATION | Czech Republic 10.2 tCO ₂ /PERSON 10.6m POPULATION | | |

Ans – less population would help solve climate change problem, in particular less people in Qatar,..., Australia, USA, etc. Any volunteers?

Questions?



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