



SESSION 2: LOW CARBON GROWTH IN CITIES AND NETWORKS AMONG STAKEHOLDERS

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LOW CARBON GROWTH

- ◉ To cut emissions
- ◉ 3 categories; energy efficiency, low carbon technologies and halt deforestation
- ◉ Malaysia is adopting an indicator of a voluntary reduction up to 40 percent in terms of emissions intensity of GDP by the year 2020 compared to 2005 levels
- ◉ National Green Technology Council chaired by Malaysia Prime Minister, Penang Green Council, MPSP Level- Green Office
- ◉ Vision is for energy, economy, environment & society

LOW CARBON GROWTH & NETWORK AMONG STAKEHOLDERS

- ◎ To assists local authorities, townships developers, designers and individuals in accessing whether developments carried out within the city contribute towards the reduction or decrease in Green House Gases (GHG)

POLICIES THAT NECESSARY

- ◉ Incentives
- ◉ Carbon trading & regulation
- ◉ Increase technology support
- ◉ Ecological footprint
- ◉ Engagement with the public or residents

BENEFITS

- ◉ Less pollution
- ◉ Better Health
- ◉ Cleaner transport
- ◉ Protects water supply
- ◉ Controls Flooding
- ◉ Provide bio-diversity



**GOOD
QUALITY OF
LIFE**


The background of the slide features a soft-focus photograph of a tree with white blossoms in the foreground, with a multi-story building visible in the background. The text is overlaid on this image.

**THINK GLOBAL
ACT LOCAL**

◎ SEGREGATION AT SOURCE

◎ WASTE GENERATORS PAY:

- To reduce cost at landfill
- To reduce wastage and as a source for other beneficial output/ activities
- To involve industries in recycling to reduce waste
- To encourage innovation and productions of new item base on industrial and commercial waste
- To increase the life- span of existing sanitary landfill
- To encourage zero waste, waste minimization and low carbon initiative.

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- ◎MOU with Kawasaki, Japan- Waste to energy
 - ◎CCAC (Climate, Clean air and Coalition)
 - ◎Green Building Index / Universal Design
 - ◎Eco City



Project for developing a Low Carbon Society in Penang [FY2013]



Kawasaki City – Penang Collaboration Project For a Low Carbon Society through “Waste to Energy” Technology

Waste Management in



Resource Recovery

3R Program



Composting Program



Awareness Program

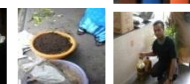


Green Program



Food

Recycling



20 August 2013
Kick-off meeting in Penang

10-13 September 2013
Training in Kawasaki City

January 2014
Workshop in Penang

ACTIVITIES in FY 2013



Kick-off meeting



Memorandum of Understanding
Kawasaki City and Penang



Training in Kawasaki City



Field visit
Recycling facilities (Solid Waste
Fluorescent Light)



CLEANER

- ❖ Task Force (Loving animals, environmental friendly, e-waste, green industry, women excellent, PPR Ampangan)
- ❖ Green School Programme (2011-36,2012-53,2013-86, 2014-105 & Kindergarten -44 schools)
- ❖ Zero waste (12 communities, 32 schools)
- ❖ Composting
(1 markets, 32 schools, 1 hotels, 2 factories, 14 communities)
- ❖ Mud balls (27,900 balls as at Aug 2014)
- ❖ No Free Plastic Bags Campaign
- ❖ 4R (Rethink, Reduce, Reuse, Recycle) programme
- ❖ No Polystyrene
- ❖ MPSP Green Office Award (2012-2015)

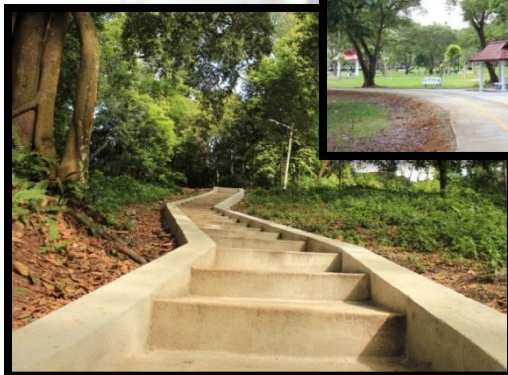


“MAKAN SAMPAI HABIS” OR “EAT TILL FINISH” CAMPAIGN



GREENER

- ❖ Urban Farming (10 communities)
- ❖ Smart Partnership (CSR) - 27 areas



❖Public transport (MPSP provide car pool)

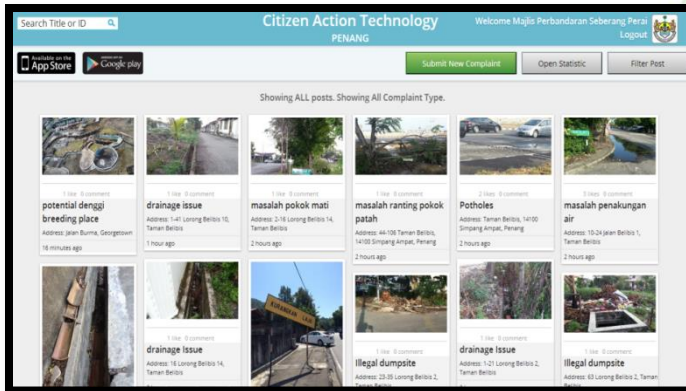
❖Park And Ride (BEST)
Bridge Express Shuttle Transit



- ❖MPSP Green Ride
- ❖MPSP Tower Run
- ❖MPSP Fun Run
- ❖Aerobics
- ❖Think Blue Convoy



COMMUNITY SYNERGIES



Citizen Action Technology (CAT)-
cat.betterpg.com



MPSP Watch



Smart Monitoring System



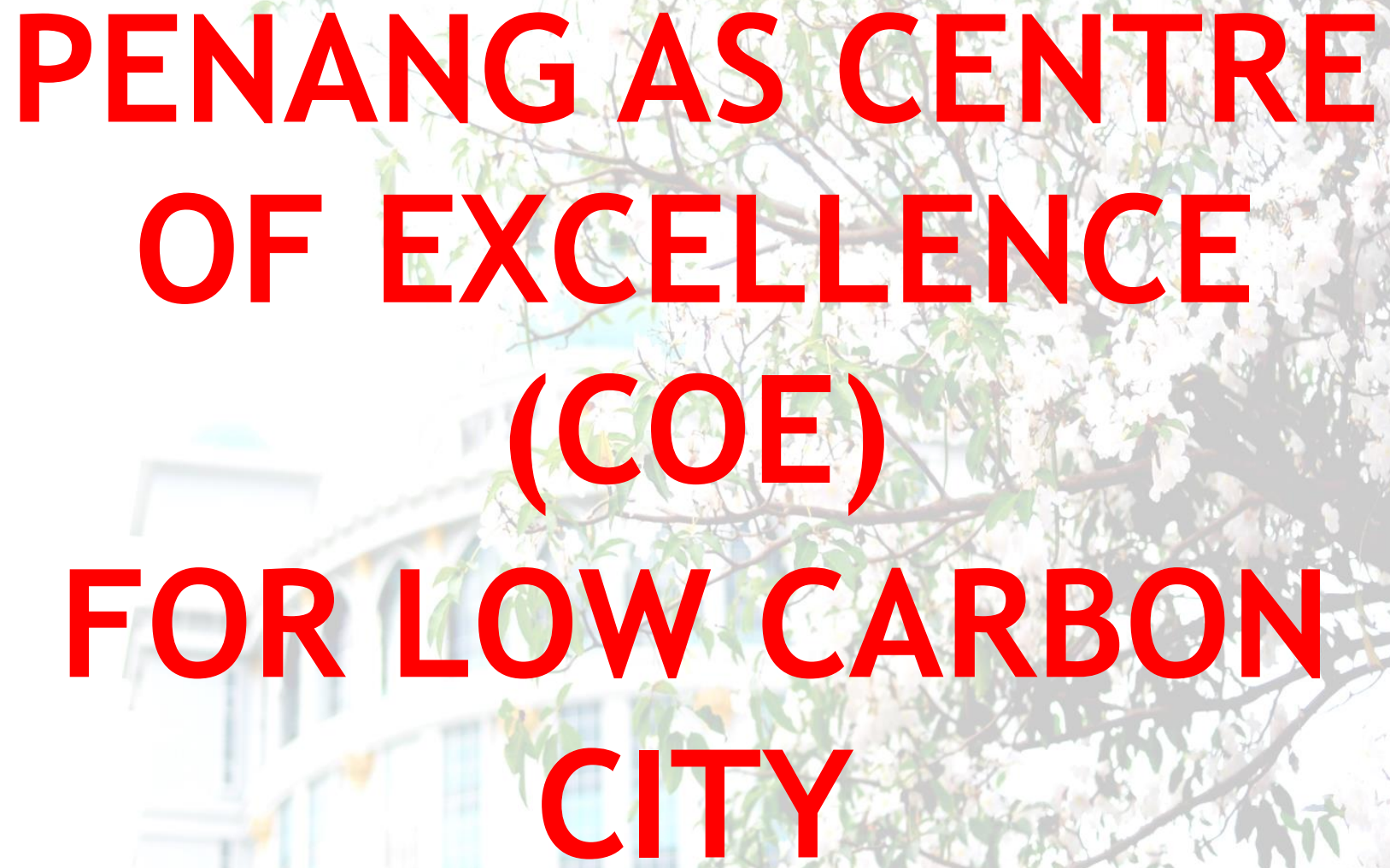
- ◉ No hassle and user friendly.

- ◉ Need not write long lengthy reports to describe the issues / problems as;

“A Picture Speaks A Thousand Words”

- ◉ Time is not wasted as uploading pictures into the system can be carried out in mere minutes.

- ◉ Action to alleviate the issues / problems can be taken swiftly.

The background of the slide features a blurred image of a multi-story building with a curved facade and a tree with white blossoms in the foreground. The text is overlaid on this background in a large, bold, red font.

PENANG AS CENTRE OF EXCELLENCE (COE) FOR LOW CARBON CITY



THANK YOU

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"Sustainability Is Our Commitment"