

# LOW-CARBON CITY PLANNING IN BANDUNG




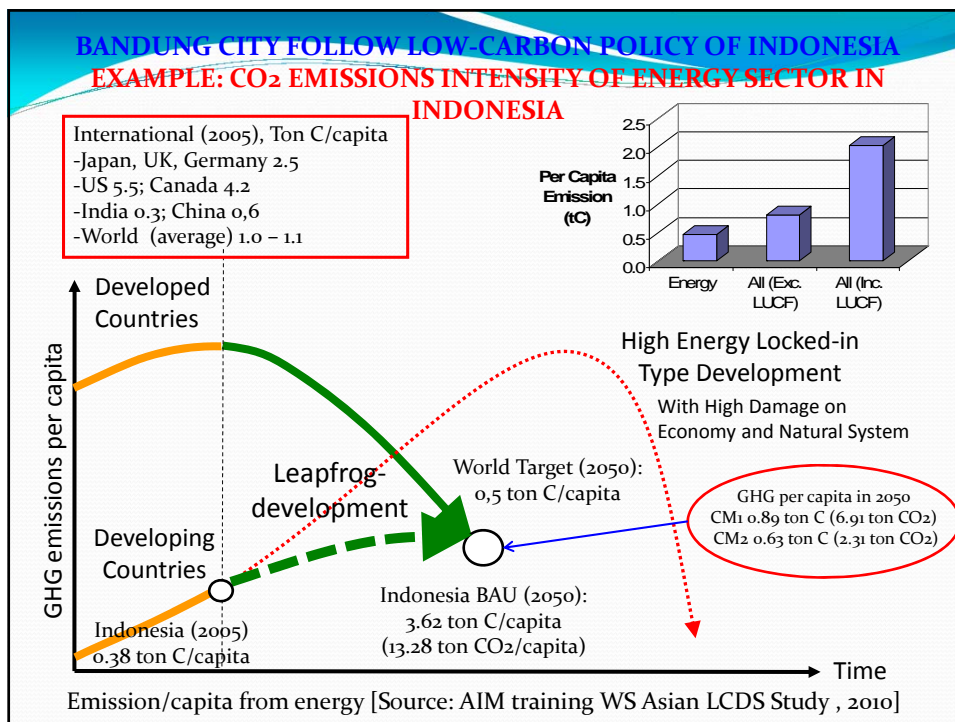
Bandung City Government, West  
Java - Indonesia

July 24, 2014

## Bandung city

- Bandung city is the capital of West Java Province in Indonesia, the country's third largest city with the population of 2.5 million in 2013.
- Bandung is located 768 metres above sea level, approximately 140 kilometres south east of Jakarta, Bandung has cooler temperatures year-round than most other Indonesian cities.
- The city lies on a river basin surrounded by volcanic mountains.





## Bandung city promote *Green Technology*

- Pollution management:**
  - Air pollution control
  - Wastewater and solid waste management
  - Remediation and clean-up of soil and water
  - Noise and vibration abatement
  - Environmental monitoring analysis and assessment
- Cleaner technologies and products:**
  - Cleaner/resource-efficient technologies and processes.
  - Cleaner/resource-efficient products.
- Resource management:**
  - Water supply
  - Recycled materials
  - Renewable energy plant
  - Heat/energy saving and management
  - Sustainable agriculture
  - Natural risk management

## Components of Bandung Low Carbon City Plan

- City Green Open Space;
- Public Street lighting;
- Sustainable Solid Waste Management;
- Wastewater Treatment
- Sustainable Transportation

## City Green Open Space

**Increasing extent from 12% (2013) to 23% (2018)**



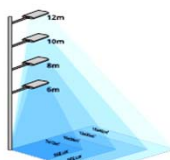
## Public Street Lighting

**Increasing amounts of Public Street Lighting Spot from 27.091 (2013) to 36.000 spots in 2018**

Street Lighting by LED Technology



LED street lighting has higher energy efficiency compared to conventional street lighting



Street Lighting by Solar Cell Technology

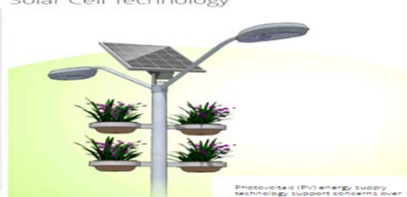


Photo-voltaic (PV) energy supply technology supports LED with power grid's capacity charge, load distribution and resource scarcity.



## Sustainable Solid Waste Management

• Waste To Energy from 0% (2013) to 35% in 2018;



Landfill from 69% (2013) to 25%



• 3 R from 7% (2013) to 30% (2018);



## Wastewater Treatment

Increasing Capacity of Wastewater Treatment from 64% (2013) to 74% in 2018

Communal Septic Tank



Public Toilet



# Sustainable Transportation

**Increasing Quantity & Quality of Service from Public Transportation Utility and Means from 25% (2013) to 50% (2018)**

- Bus
  - Bandung has developed Mass Rapid Transportation facilities.
- Skywalk
  - To increase bike user and walking habit, Bandung will provide Skywalk, a steel bridge along Jalan Tamansari-Cihampelas road.
- Bike Sharing
  - Bicycle sharing system that is a service in which bicycles are made available for shared use to individuals on a very short term basis.



To improve Mass Rapid Transportation facilities, Ecomobility program will Skywalk



To increase bike user and walking habit, Ecomobility program will provide Skywalk along Jalan Tamansari-Cihampelas road.



## Thank you for your attention...

