

Hong Kong Productivity Council



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GHG Management in Hong Kong & Pearl River Delta

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Hong Kong Data

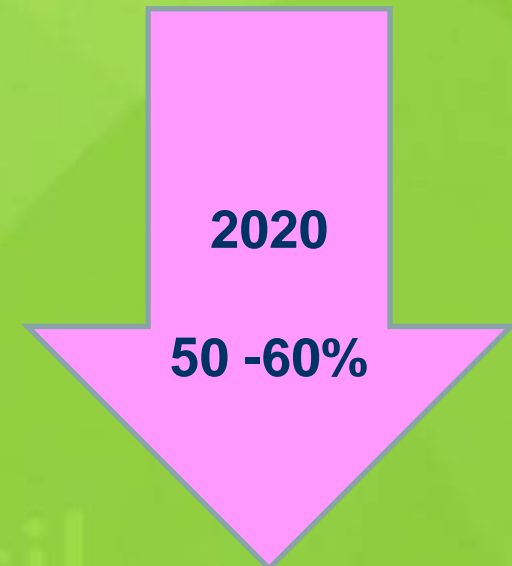
- In 2008, the total GHG emissions of HK is about 42 million tonnes, accounting for about 0.1% of global emission
- Major emission sources : electricity generation (67%), transport (18%) and waste treatment(5%)





Reduction Target

- A voluntary carbon intensity reduction target of 50% - 60% by 2020 as compared with the 2005 level

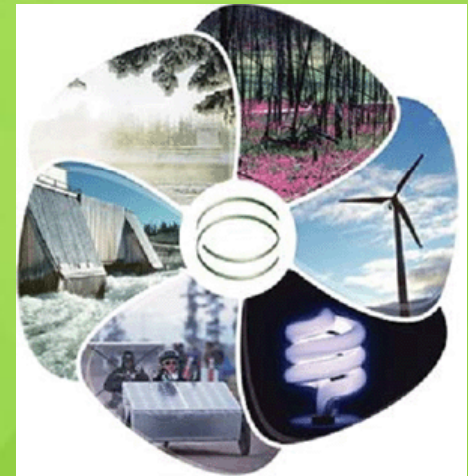


Reduction Target

	2005	2020	Reduction
Carbon Intensity (Co2 Emission/GDP)	0.029 kg	0.012 – 0.015 kg	50 – 60%
Total GHG Emission	42 million tonnes	28 – 34 million Tonnes	19 – 33%
Per capita GHG Emissions	6.2 tonnes	3.5 - 4.5 tonnes	27 – 42%

Proposed GHG Reduction Measures

- Maximising Energy Efficiency
- Greening Road Transport
- Promoting use of clean fuels for motor vehicles
- Turning Waste into Energy
- Revamping fuel mix for electricity generation





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HK – Gateway to China

- One hour : from HK to Shenzhen
- Two hours : from HK to Guangzhou



Green PRD Quality Living Area

- To jointly develop the Pearl River Delta (PRD) region into a low-carbon, high technology, low pollution cluster cities with quality living.
- The Two Governments to take forward the emission reduction measures under the PRD Regional Air Quality Management Plan and strive to accomplish the emission reduction targets in 2010

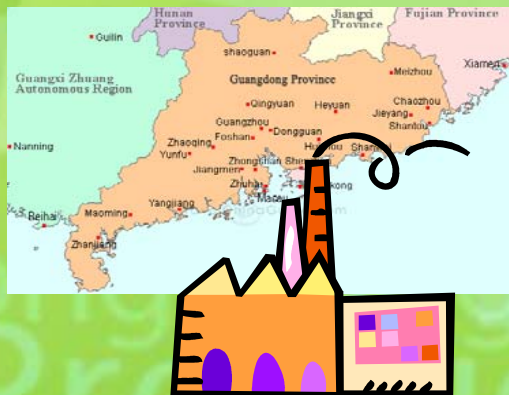
Green PRD Quality Living Area

- Cross-boundary water quality protection and ecology conservation
- exploring new cross-boundary co-operation models for recycling and re-use of reusable materials

HKPC's Initiatives to Promote Carbon Reduction in PRD Region



Cleaner Production Partnership Programme



Low Carbon Manufacturing Programme

Cleaner Production Partnership Programme

- About 56,000 Hong Kong-invested factories in Pearl River Delta Region, employing about 10 million workers
- Government to provide funding of US\$12million (HK\$93m) over a period of five years, starting from 2008.
- Objectives :
 - To encourage and facilitate Hong Kong-owned factories in the PRD region to improve energy efficiency, minimize air pollutant emissions and reduce & control effluent discharge

Overview of CP3

Key Initiatives :

1. Awareness promotion
2. On-site improvement assessment
3. Demonstration projects for CP technologies and practices
4. Verification of the effectiveness of improvement projects



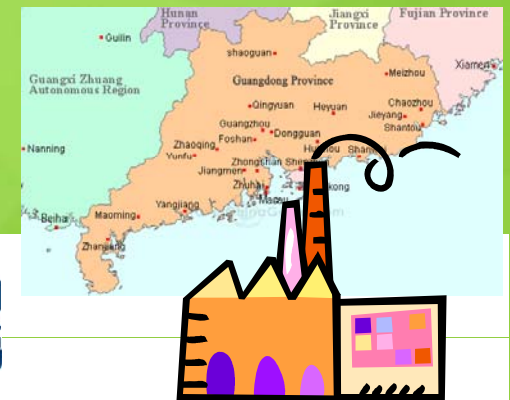
Low Carbon Manufacturing Programme



Green Dragon Fund
Bowen Capital Management



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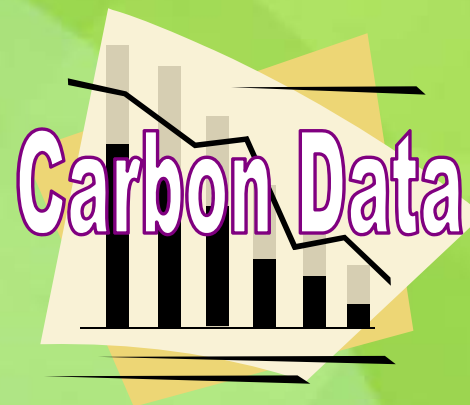
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Elements of LCMP

Monitoring & Reporting
TOOL for factories

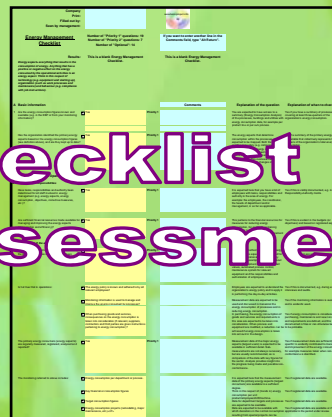
Carbon Performance
ASSESSMENT METH.

LABELING SYSTEM
For benchmarking



Best Practice Handbook
- GHG Management system
- Technology process

**Checklist
Assessment**





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A labelling scheme to reward entry-level participants, continuous improvers & top-of-the-line best in class performers

HKPC's Future Direction on Promoting Low Carbon Economy

(I) Enhancing Capacity Building

We will, in association with relevant partners, organize training courses, seminars, study mission to build up awareness and understanding of GHG strategies for the various stakeholders

(II) Strengthening the Technical Support

We will fully utilize the WFOEs to extend and expand our technical supporting services in PRD

HKPC's Future Direction on Promoting Low Carbon Economy

(III) Developing Applicable Technologies

- Low carbon transport system
- Energy efficiency improvement system
- Low cost Factory Energy Monitoring System

(IV) Negotiating with Governments to Build More Support Platform

We will discuss with HK and PRD Governments to

- Extend and expand the Cleaner Production Partnership Programme, the LCMP and other programmes
- Develop carbon / energy intensity benchmarking systems
- Formulate low carbon industrial park planning