

# Government Efforts in Addressing Climate Change

## 香港应对气候变化的努力

Environmental Protection Department, HKSARG

Dr. Vincent CHEUNG

香港特区环境保护署

张子辉 博士



# Potential Impact of Climate Change in Hong Kong

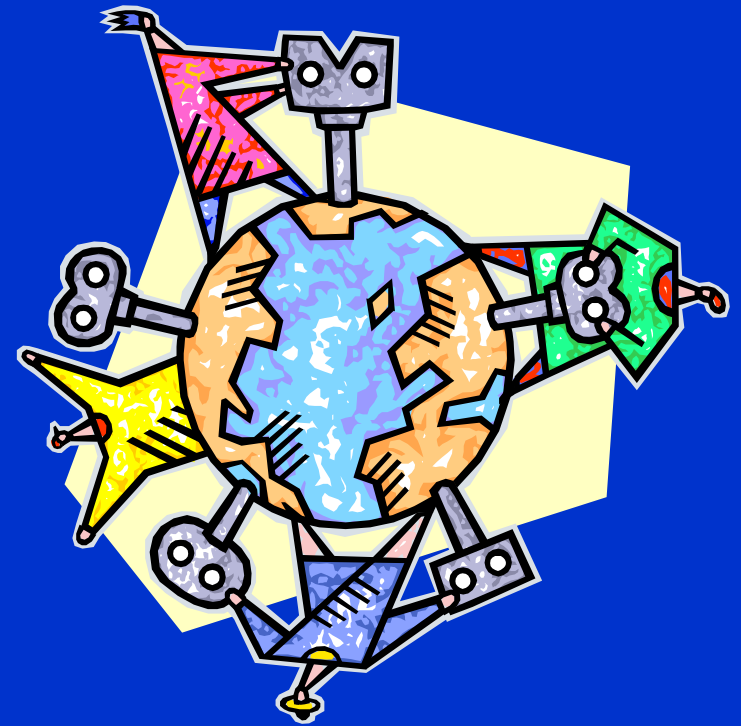
## 气候变化对香港的潜在影响

- **Annual mean temperature (1885-2008): +0.12 °C/decade**  
年平均气温 (1885-2008): +0.12 °C/十年
- **Mean sea level in Victoria Harbour (1954-2008): +2.4 mm per year.**
  - **The trend was similar to that over the South China Sea (measured from satellite using remote sensing techniques from 1993 to 2005)**  
维多利亚港的海平面(1954-2008): 平均每年上升2.4毫米。  
这个上升趋势跟南中国海水位变化相若 (以遥感卫星于1993至2005年测量)。
- **Annual total rainfall (1947-2008): +56 mm/decade**  
本港年总雨量: +56毫米/十年

# Combating Climate Change

## 应对气候变化

- **A global challenge that calls for concerted effort**  
气候变化是一个对国际社会最严峻的挑战
- **Requires action from everyone of us to reduce greenhouse gas emissions**  
我们必须采取行动，共同努力减少温室气体排放



# Greenhouse Gas Emissions in Hong Kong

## 香港的温室气体排放

- **Local greenhouse gas emission:**  
本地温室气体排放:
  - **Annual emissions: about 47 tonnes CO<sub>2</sub>-equivalent**  
每年约4千7百万吨二氧化碳当量
  - **Emission per capita : 6.7 tonnes in 2007**  
人均排放：2007年为6.7吨二氧化碳当量
  - **Carbon intensity : fell by 42% between 1990 and 2007**  
碳强度：1990至2007年间减少42%
- **Service economy**  
服务业为主的经济体系
- **Principal source of GHG emissions**  
主要温室气体排放源
  - **Power generation 能源 (62%)**
  - **Transport sector 运输 (16%)**
  - **Waste 废物 (11%)**

# Strategy to Meet Climate Change Challenge

## 迎接气候变化挑战的策略

- **As an APEC member, Hong Kong will seek to achieve a reduction in energy intensity by at least 25% by 2030 from the 2005 level**  
作为亚太经合组织的成员，香港将努力实现在**2030年**将能源强度自**2005年**的水平降低至少**25%**
- **Highlighted in CE's 2008 Policy Address - make early preparations to meet the challenge of climate change**  
行政长官**2008年**施政报告中强调 - 及早准备应对气候变化的挑战
- **Strategies 策略 : -**
  - **Enhance energy efficiency 提高能源效率**
  - **Reduce dependence on fossil fuels 减少对化石燃料的依赖**
  - **Promote a low carbon economy 促进低碳经济**

# Major Greenhouse Gas Reduction Measures (1)

## 主要减少温室气体的措施(1)

### Power Sector

#### 发电

- Allow construction of gas-fired new generation units since 1997  
自1997年只容许兴建燃气发电机组
- Encourage the use of renewable energy  
鼓励使用可再生能源



### Enhance Energy Efficiency

#### 提升能源效率

- Building energy efficiency  
建筑物能源效率
- Demand side management  
用电需求管理
- Energy saving programmes within Government  
政府内部节约能源计划



# Major Greenhouse Gas Reduction Measures (2)

## 主要减少温室气体的措施(2)

- **Landfill gas utilization**  
堆填气体利用
- **Land transport 陆路运输**
  - **Extensive and energy efficient public transport system**  
广泛覆盖和高效率的公共交通系统
  - **Promote use of energy efficient private cars**  
促进使用具能源效益的私家车
- **Others 其它**
  - **Green Master Plan for districts**  
不同区份的绿化总纲图
  - **Public education and promotion activities**  
公共教育和宣传活动



# Major Greenhouse Gas Reduction Measures (3)

## 主要减少温室气体的措施(3)

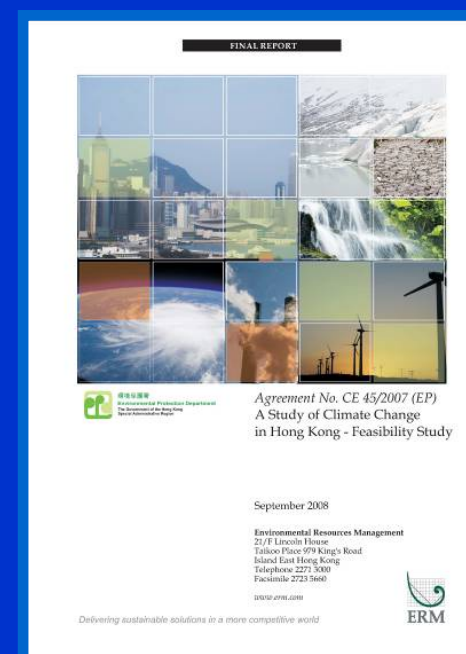
- **Carbon Audit Guidelines**  
碳审计指引
- **Green Hong Kong • Carbon Audit campaign**  
绿色香港 • 碳审计活动
  - **> 60 Green Audit • Green Partners**  
超过60个碳审计 • 绿色机构
- **Hong Kong Awards for Environmental Excellence**  
香港环保卓越计划
  - **Carbon “Less” Certificates**  
「减碳证书」



# Major Greenhouse Gas Reduction Measures (4)

## 主要减少温室气体的措施(4)

- **Interdepartmental Working Group on Climate Change**  
气候变化跨部门工作小组
  - **co-ordinate Government's actions to address climate change**  
统筹政府在应对气候变化的工作
- **A Study of Climate Change in Hong Kong**  
气候变化顾问研究
- **Clean Development Mechanism (CDM) projects**  
清洁发展机制项目



# International Co-operation 国际协作

- **Asia-Pacific Economic Cooperation (APEC)**  
亚太经合作组织
- **C40 Cities Climate Leadership Group**  
C40城市气候变化领导小组
- **United Nations**  
联合国
  - **Climate Change Conference**  
气候变化会议



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*Thank You*  
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