

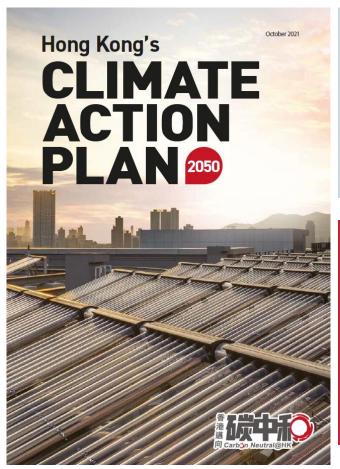
ECONOMY UPDATES Hong Kong, China

31 March 2022

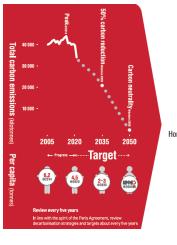
THE 58TH MEETING OF THE APEC EXPERT GROUP ON ENERGY EFFICIENCY & CONSERVATION

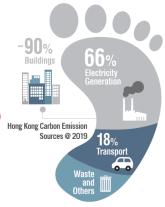


HK will strive to achieve carbon neutrality before 2050



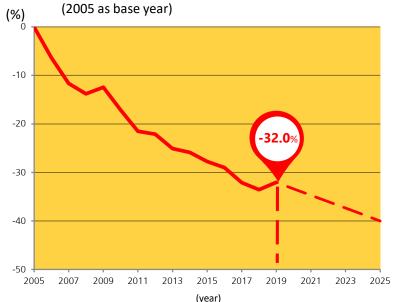








Energy Intensity Target 2005-2025



(Source: Hong Kong Energy End-use Data 2021)

Net-zero Electricity Generation · Energy Saving and Green Buildings



Renewable Energy (RE)

Target





Electricity Saving in Buildings







(Reduce by 20-30%

subsequently)



Target

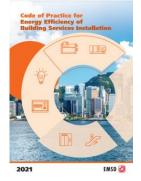
Electricity consumption (Compared) with 2015)

(Reduce by 30-40% subsequently)

Initiatives:

Strengthening Regulation

Continuous enhancement of energy performance of buildings





Smart Management

Use smart technologies to enhance energy saving management and energy efficiency of buildings and infrastructure





Explore setting minimum energy efficiency requirement for specified appliances





District Cooling Systems (DCS)



Energy Efficiency Initiatives



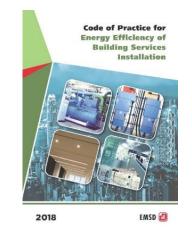


Green Energy Target for Government Buildings and Infrastructures

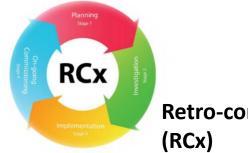


District Cooling Systems (DCS)

Mandatory Energy Efficiency Labelling Scheme (MEELS)



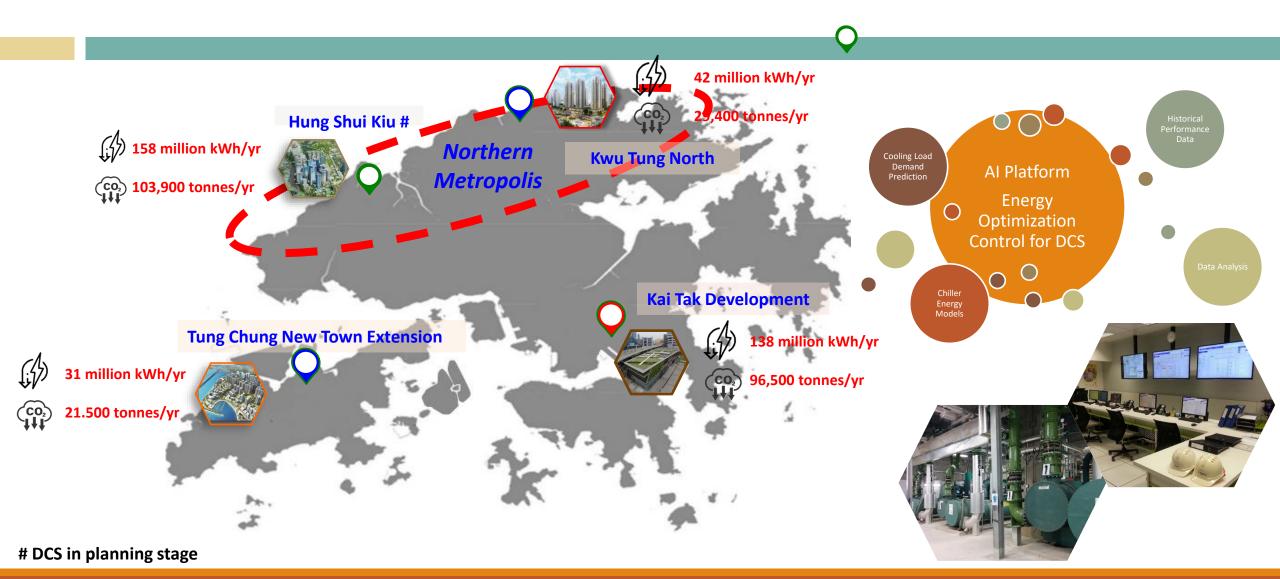
Building Energy Efficiency Ordinance (BEEO)



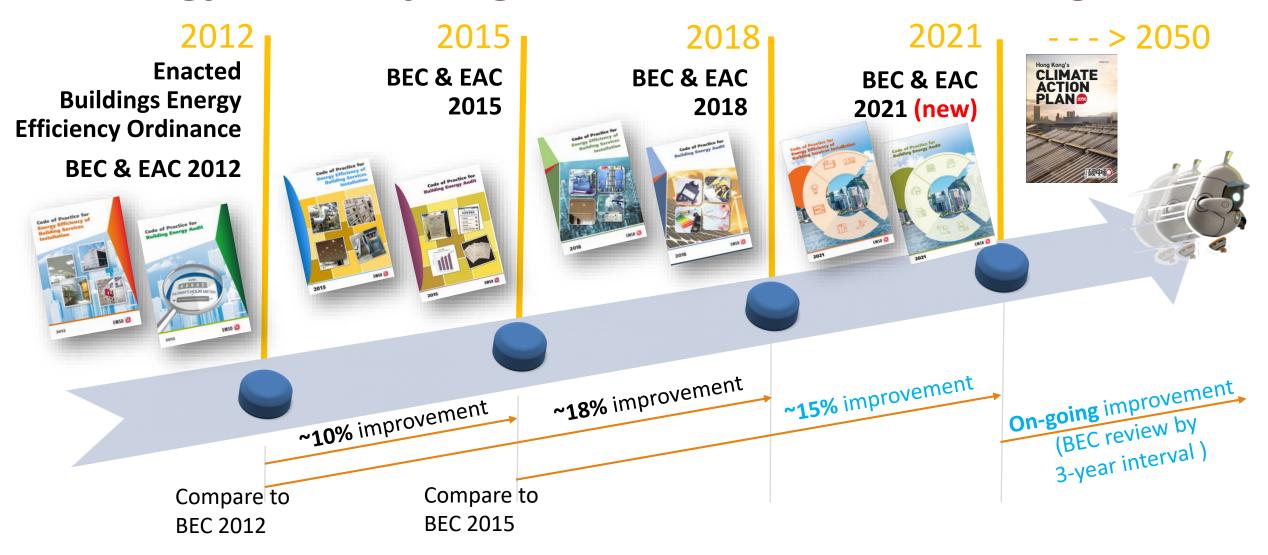
Retro-commissioning (RCx)

Development of the District Cooling Systems (DCS)





Building Energy Efficiency Ordinance and Energy Efficiency Registration Scheme for Buildings



香港 選 向 Carbon Neutral@HK

Retro-commissioning for major government buildings

Existing buildings are often...



- Equipped with aging equipment
- Outdated building services system control
- High energy consumption
- unsatisfactory performance of systems

Retro-commissioning (RCx) Planning Commissioning (RCx) Planning Commissioning (RCx) Implementation Company (RCx)



Conduct RCx in suitable major government buildings









Wireless data collection of room condition







Smart Sensors

Workstation



Energy Saving and Decarbonisation for All 2022 Campaign

1) Energy Saving Charter and 4T Charter



2) Energy Saving Championship Scheme

Competition for organisations



Competition for students

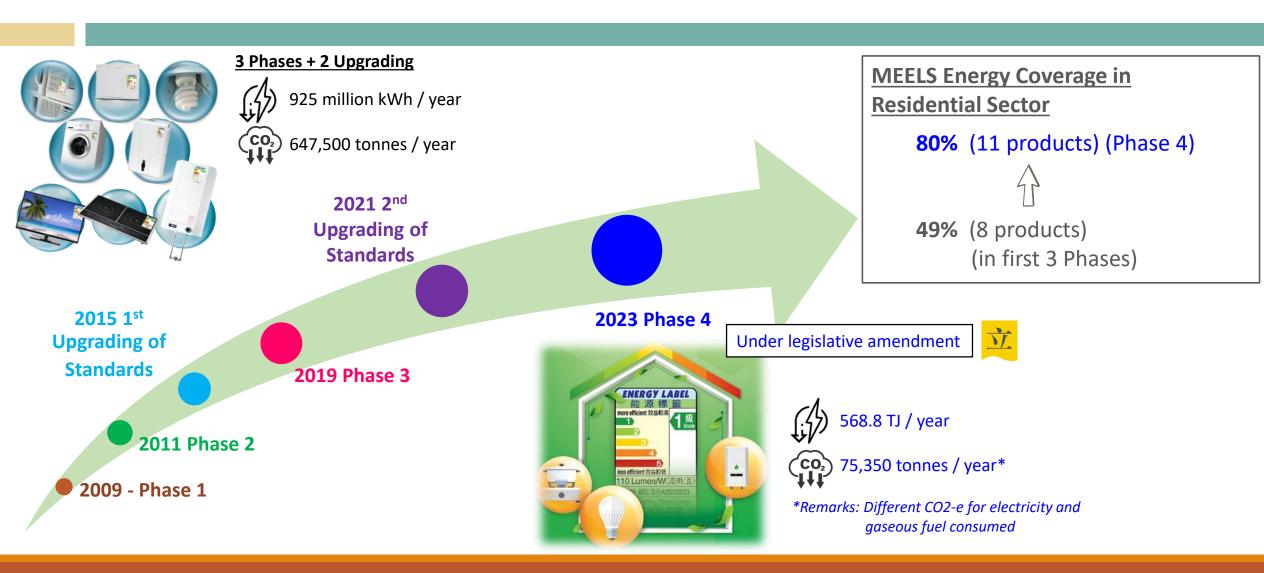


3) Training and outreaching activities



Development of the Mandatory Energy Efficiency Labelling Scheme (MEELS)





"Green Schools 2.0" – Solar Harvest



To provide one-stop service for installation of small-scale solar energy generation

systems at

Non Profit-making & Non-Government schools and;

➤ Welfare NGOs

As of mid-February 2022

Over 600 nos. application

Over 300 no. systems installed

Accumulated electricity generation is over 1.8M kWh





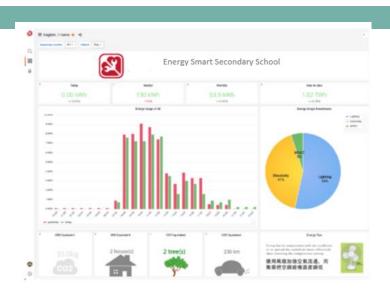
"Green Schools 2.0" – Energy Smart





Non Profit-making & Non-Government Primary & Secondary Schools

> Beneficiary: 300 Schools, over 100,000 students



"Energy Saving Tips" for education purpose



• 能夠簡單清楚學校樓層或個別房間的用電量

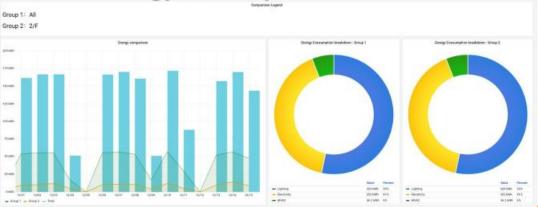
• 能使用簡單圖示作個別房間的用電量比對

• 鼓勵老師及同學們共同實踐節能措施

•平均每一度電所產生的二氧化碳當量排放量為0.7千克CO2

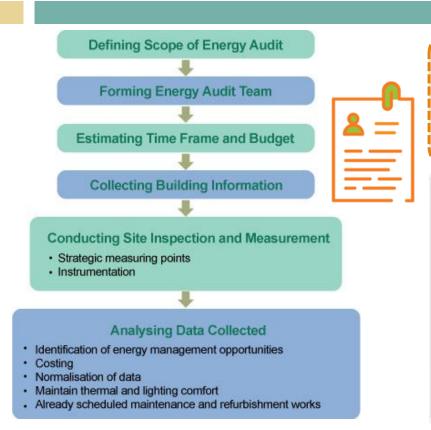


Comparison of Energy Consumption of Various Classroom



Green Welfare Non-Government Organisations

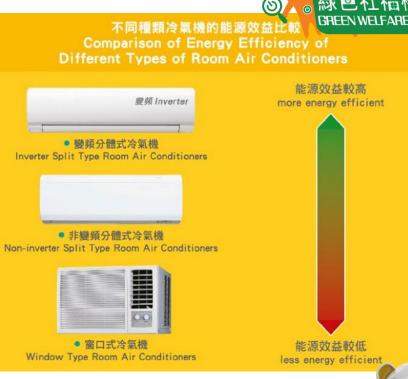




Beneficiary: 300 Welfare NGO premises







LED Lighting Energy Audit

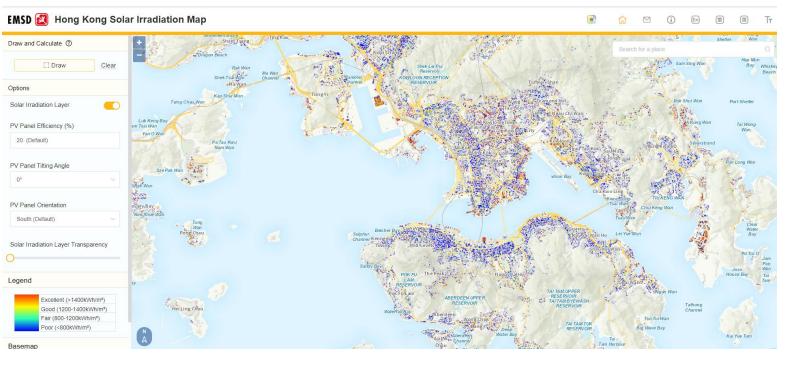
Target to set up common Energy Management Opportunities (EMOs) for various welfare premises

Variable Speed Air-conditioner









Green Tech Fund







PRIORITY THEME

Net-Zero Electricity Generation

Energy Saving and Green Buildings

Green Transport

Waste Reduction

Green I&T Day





















