

# HONG KONG'S CLIMATE ACTION PLAN 2030+

The logo consists of a white circle with an orange border, set against a background of a crowd of people walking on a street. The text 'Climate Ready@HK' is written in red and black, with the Chinese text '氣候變化香港行動' below it.

Climate  
Ready@HK  
氣候變化香港行動

20 January

# Steering Committee on Climate Change



## Chairman

Chief Secretary for Administration

## Members

All 13 Directors of Bureaux or their representatives

Director of Information Services or representative

Government Economist or representative

Director of Hong Kong Observatory or representative

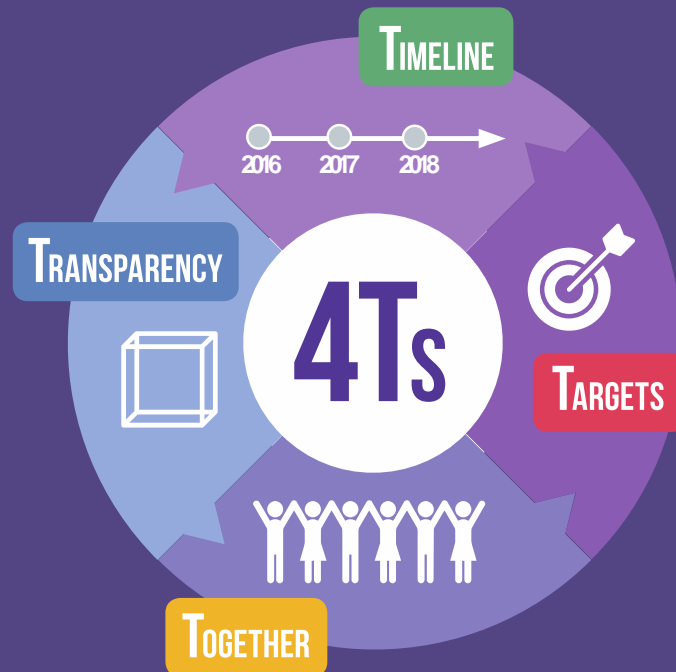
# Message from CS



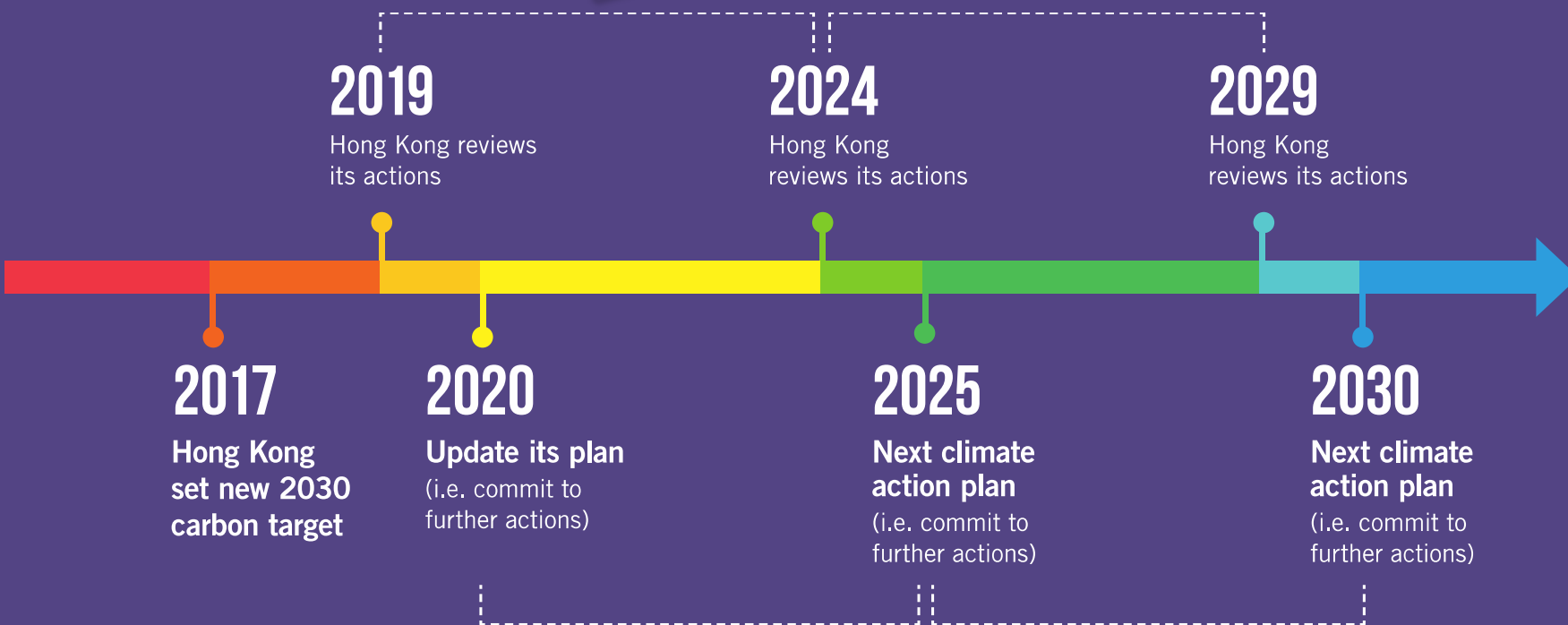
“ Climate change is a cross-sector, cross-domain subject which has far-reaching socio-economic and cultural impacts across the globe. As a member of the global village, Hong Kong needs to respond proactively. The current-term Government has set up the high-level Steering Committee on Climate Change to steer and co-ordinate efforts among various bureaux and departments in combating climate change and achieving carbon reduction targets. The committee, having collated a multitude of useful views and perspectives, is committed to taking the task forward. We have got off to a good start and the Paris Agreement will propel us forward in the long run. I encourage everyone in the community to participate actively in this cause. Let us all support an energy-saving, waste-less and low-carbon lifestyle and join hands to build a greener Hong Kong. ”

**Matthew Cheung Kin-chung**  
Chief Secretary for Administration

# Operational Framework

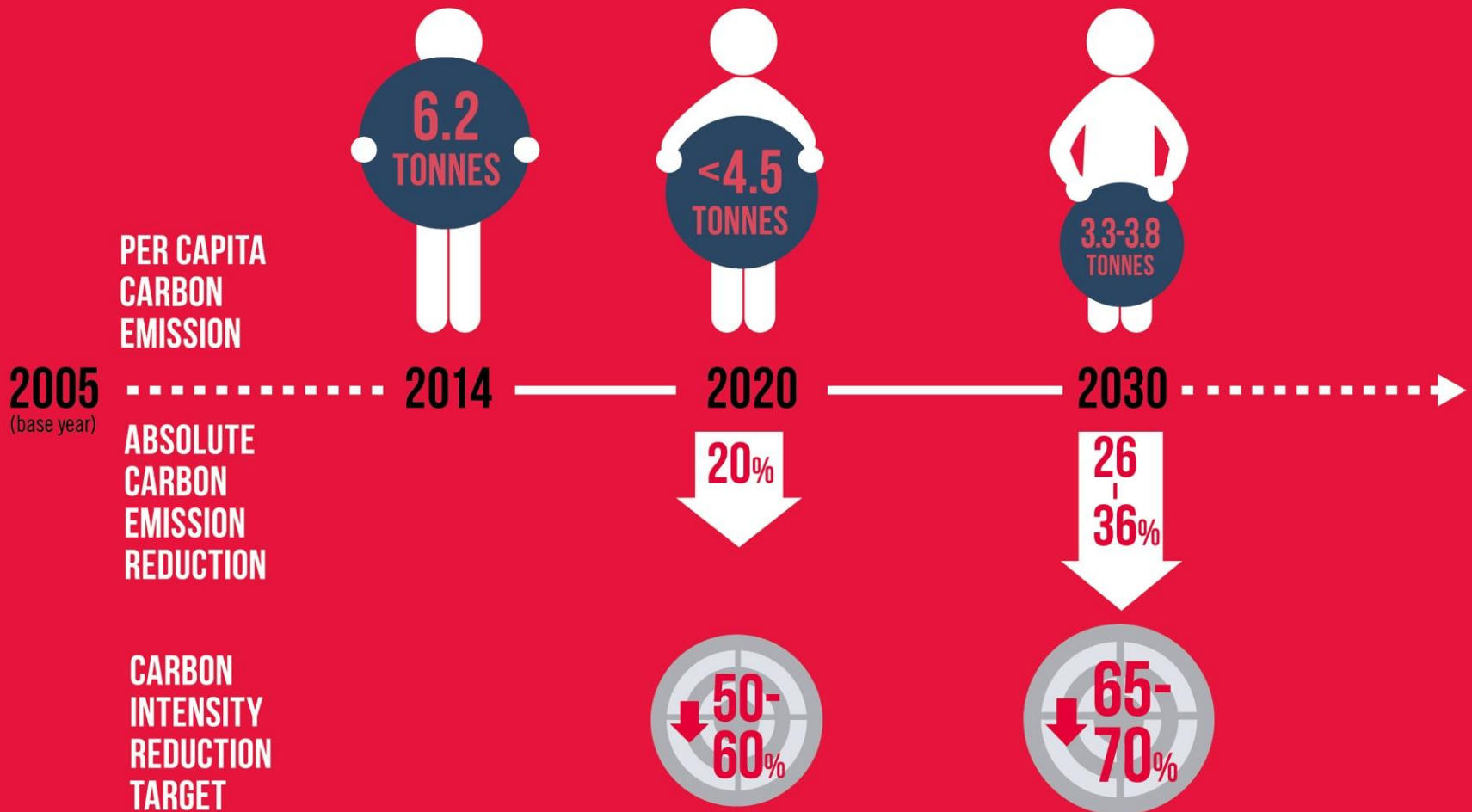


**Review and Ratchet  
every 5 years**

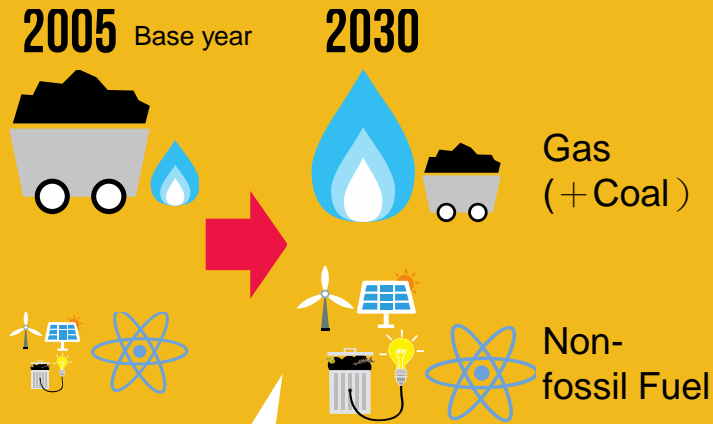


# Carbon Reduction Target

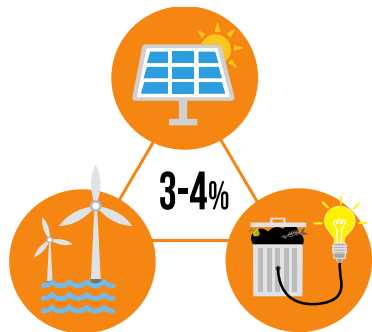
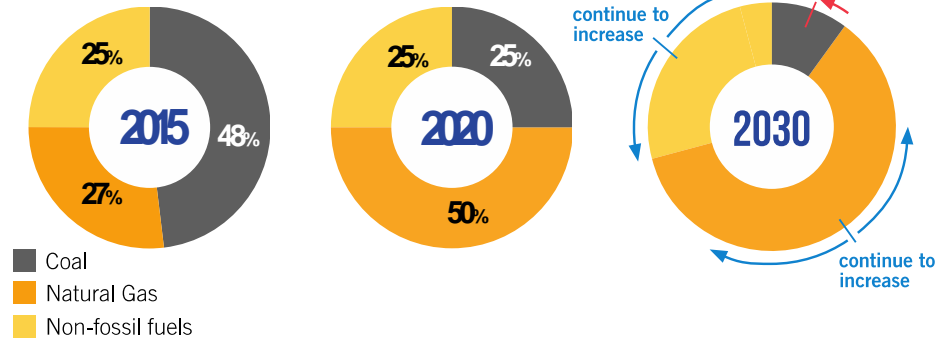
Carbon emission will peak before 2020



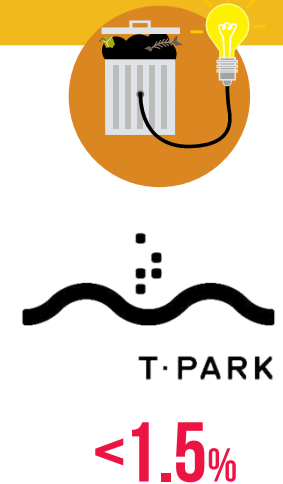
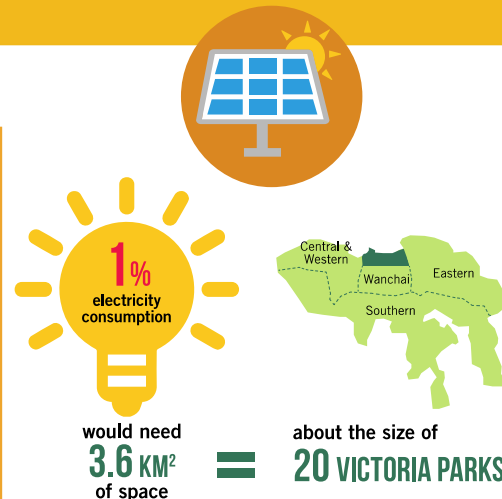
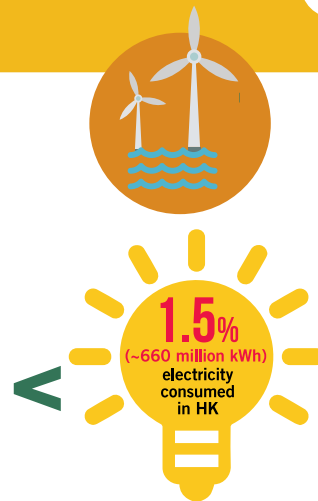
# Mitigation Energy Supply



Reduction of coal in fuel mix for electricity generation 2015-2030



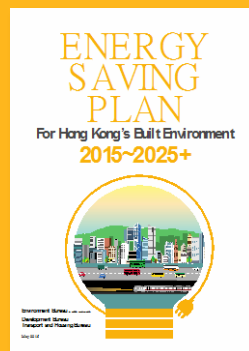
RE Potential





# Mitigation Energy Saving

## Supply side



Target Energy Intensity by **2025**



(base year 2005)

To encourage 4T partners to set their energy saving targets and timelines



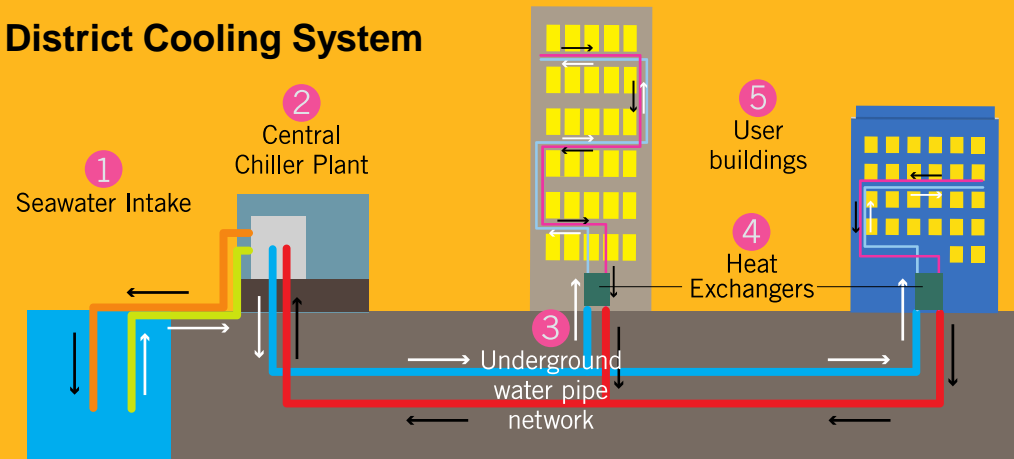
## TOGETHER



# Mitigation Energy Saving

## Infrastructure

### District Cooling System



## Government Buildings

Completed energy audits on about 200 Government buildings last year and recommended energy management opportunities

Continue to conduct energy audits on about 150 Government buildings

Earmark **at least \$500 million** to implement energy saving projects at Government buildings



## Private Buildings

We will review the BEAM Plus arrangement to further promote green building. In the review, we will consider tightening the prerequisite by requiring a development project to attain specific standards of performance in environmental protection, or even adopt performance-based and site-specific approaches to determine the maximum gross floor area concession.





# Mitigation Renewable Energy

## New Government Buildings

Starting from April 2017, the Government will strengthen its guidelines for government buildings to:

**Increase the target of electricity consumption powered by RE in new Government buildings**

RE target



**New schools and educational buildings**

1%→1.5% of  
total electricity consumption

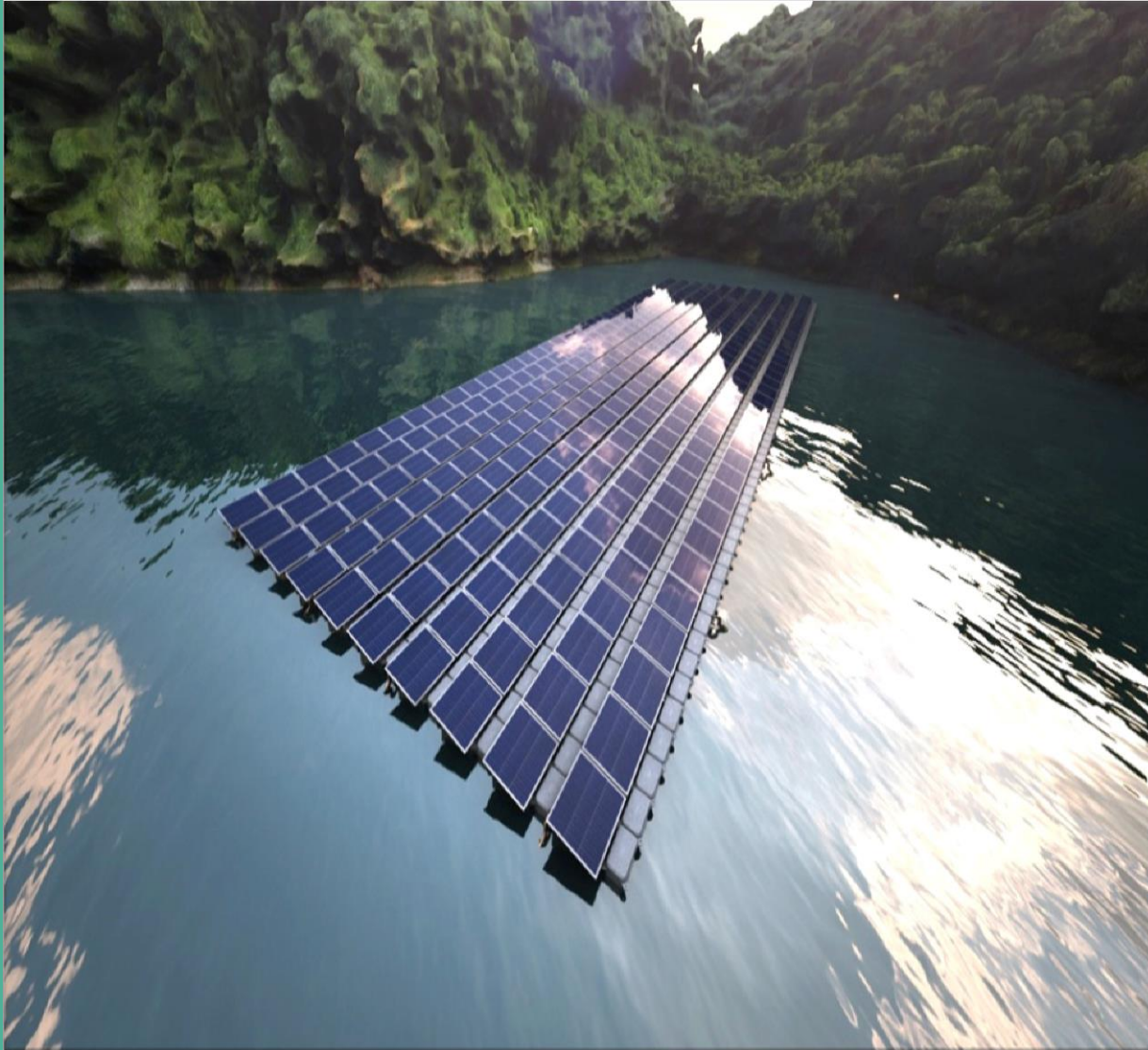
**New open space and public park projects**

General public lighting  
15% → 25% of  
electricity consumption

## Existing Government Buildings

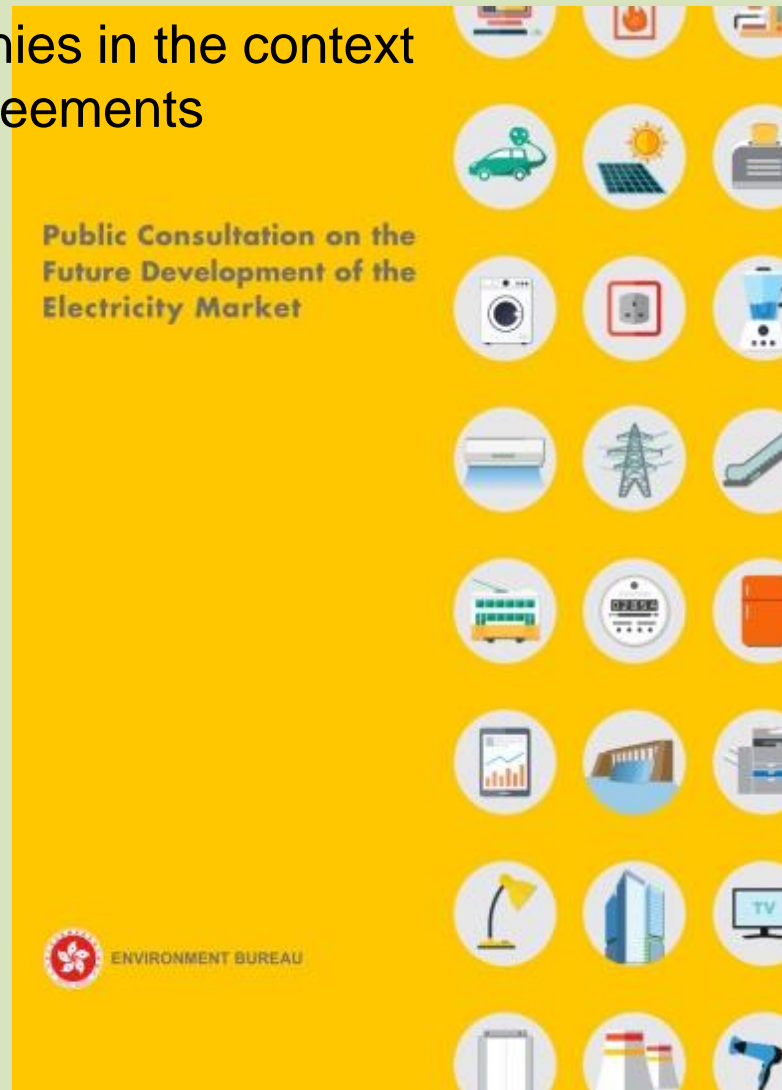
Earmark **\$200** million for the provision of RE installations in government buildings and venues, as well as community facilities.

# Mitigation Renewable Energy



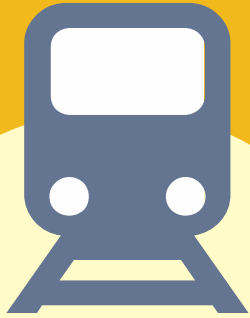
# Mitigation Energy Saving + Renewable Energy

To discuss with the power companies in the context of the new Scheme of Control Agreements

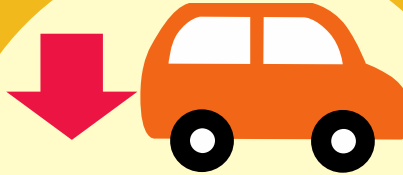


# Mitigation **Energy Saving**

## Low Carbon Transportation



Rail as low carbon  
public transport  
backbone



Control  
private  
car growth



Promote walking  
and cycling



# New vehicle technologies uses and trials

Hybrid light bus



Hybrid light goods vehicles



Electric taxi



Electric bus



Hybrid medium goods vehicles



Electric light goods vehicles



Hybrid bus



Supercapacitor bus

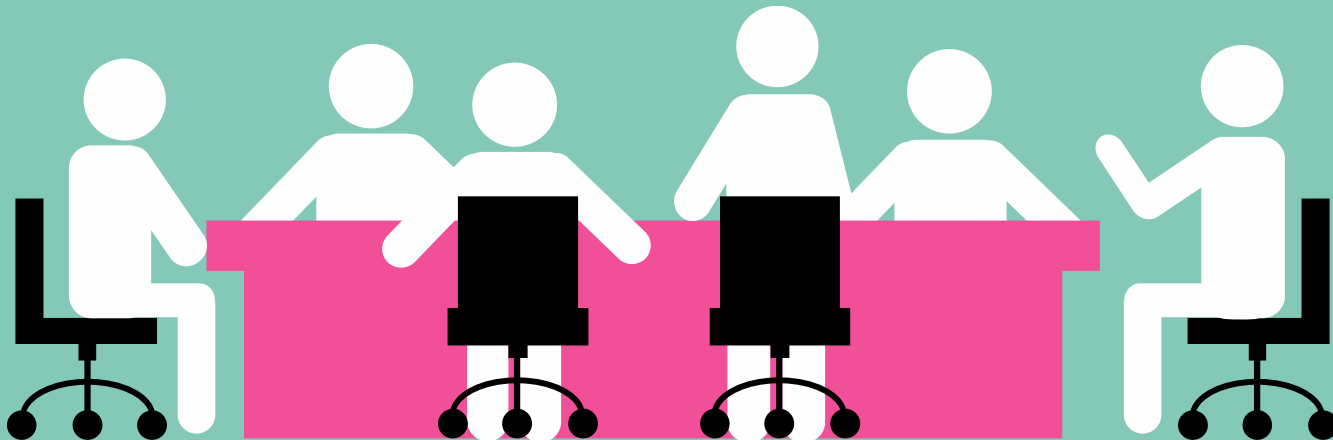




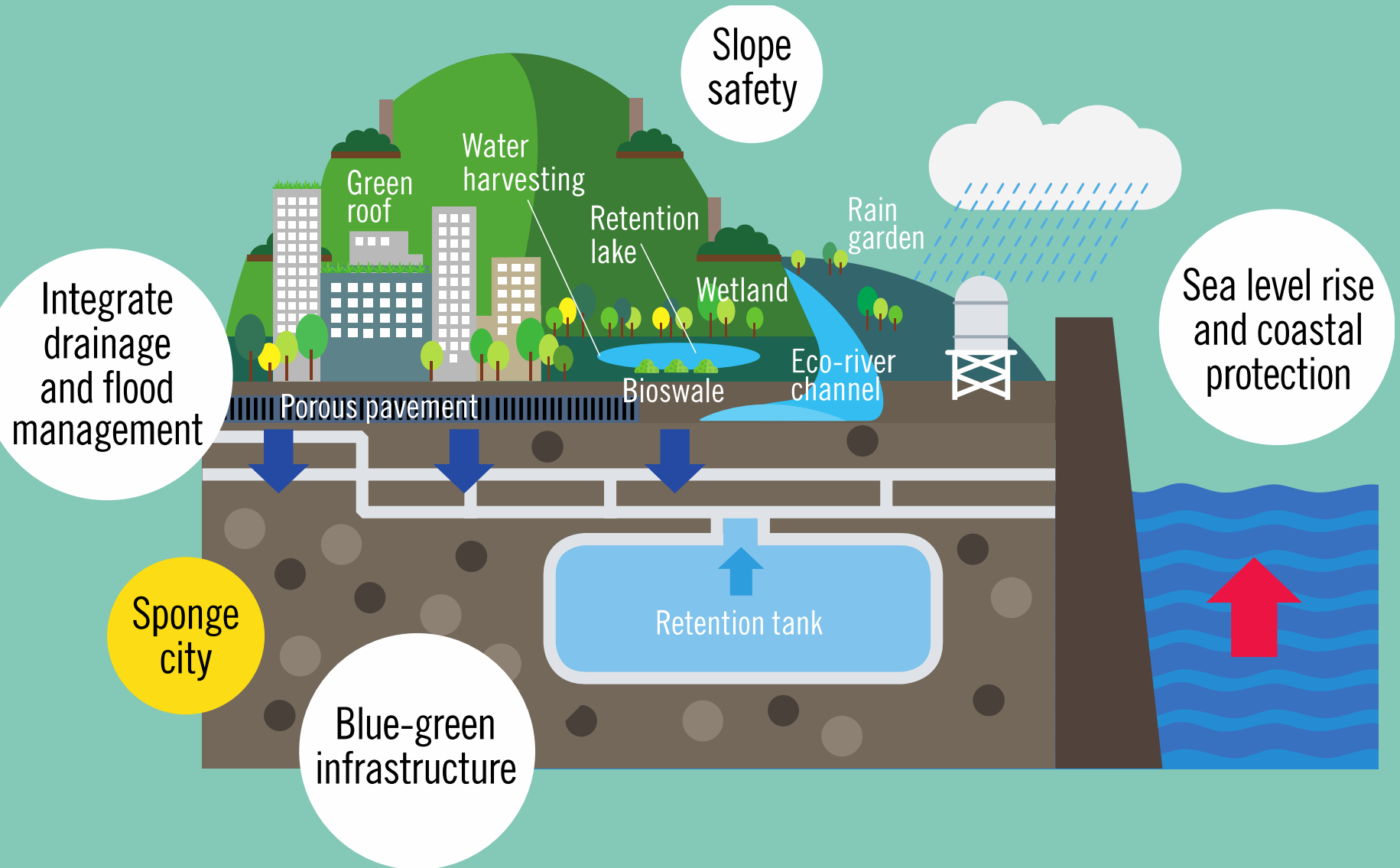
# Adaptation

“Climate Change Working Group on Infrastructure” set up to coordinate efforts among works departments to address climate change:

- Update infrastructure design standards
- Review resilience of existing infrastructure

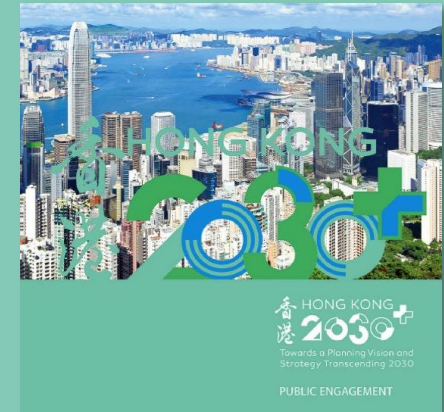


# Adaptation

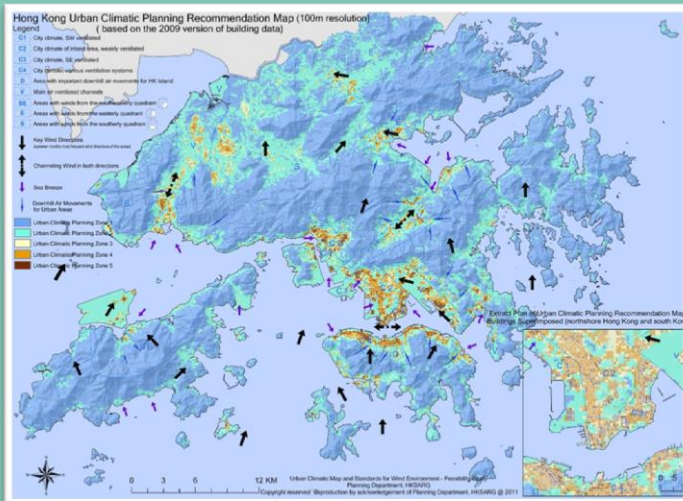


# Hong Kong 2030+

Improve wind environment and a conceptual spatial framework for green and blue space planning



Air Ventilation Assessments are carried out to improve the wind environment



Hong Kong Urban Climatic Planning Recommendation Map gives a set of broad strategic planning actions to improve urban thermal comfort

A conceptual spatial framework for green and blue space planning to reap multiple benefit



# Green Buildings

Government has been leading by example in promoting green buildings



Kai Tak Fire Station, BEAM Plus (New Buildings) Platinum

Promoting Green Buildings in the Private Sector

Review the GFA concessions arrangement for amenity features in private development projects

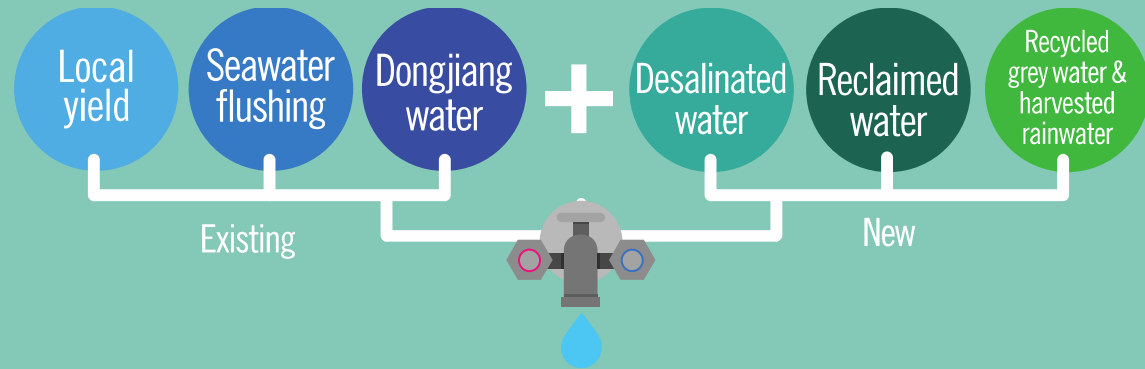


# Long-term Planning for Water Security

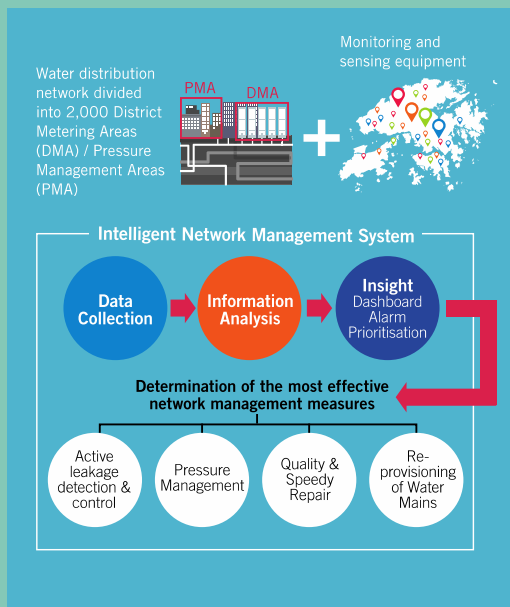
## Total Water Management



Moving towards a 6-pronged water supply structure



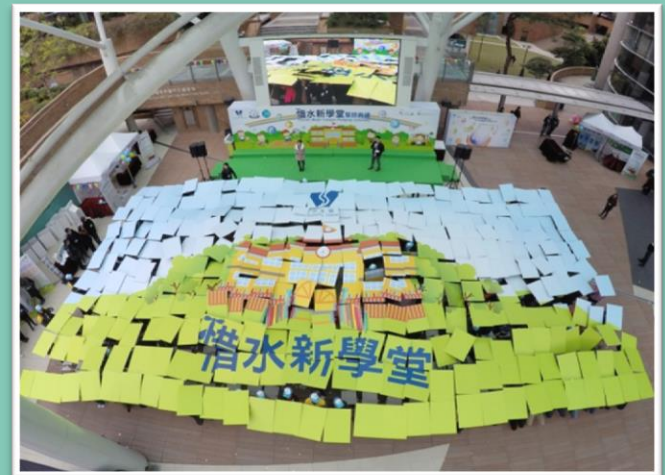
## Implementation of Water Intelligent Network (WIN)



## “Cherish Water Campus” Education Programme



WSD's mascot,  
“Water Save Dave”

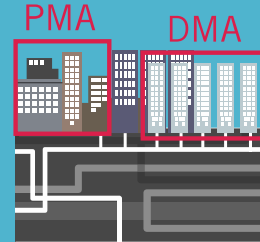




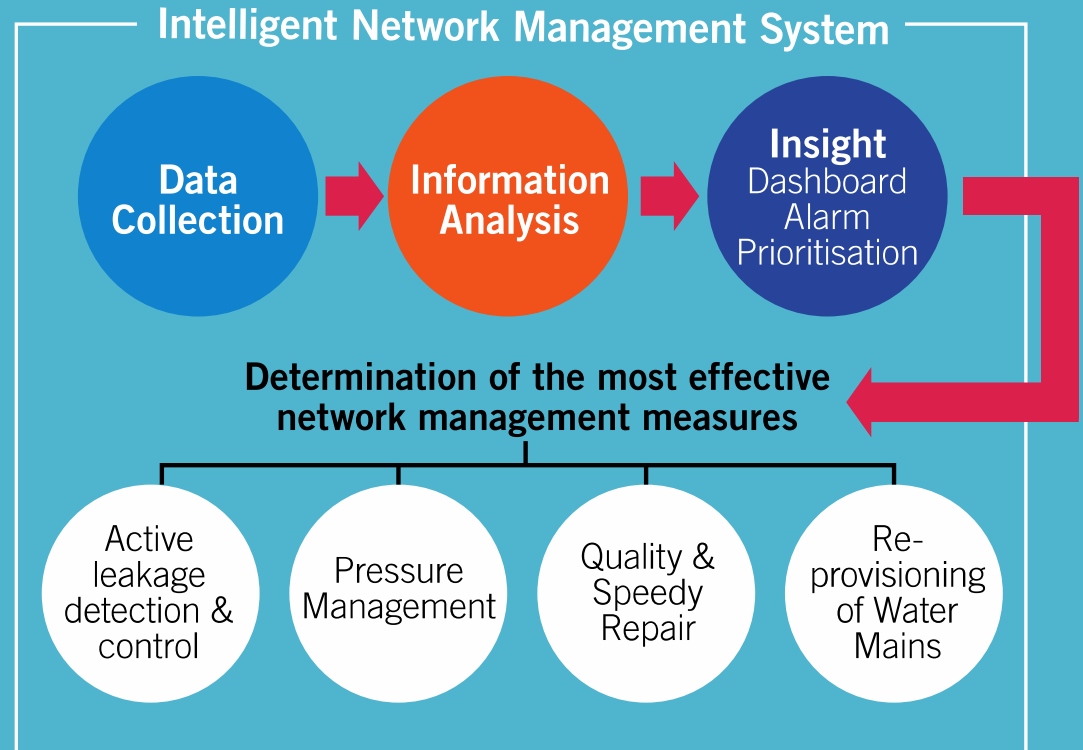
# Adaptation

Minimising water loss through the implementation of WIN

Water distribution network divided into 2,000 District Metering Areas (DMA) / Pressure Management Areas (PMA)



Monitoring and sensing equipment



# EXAMPLES OF CLIMATE ACTIONS



# Resilience



Prepare  
for emergencies



Green  
Finance



Dealing with  
extreme heats



Raising community  
awareness

# Publicity and Public Education



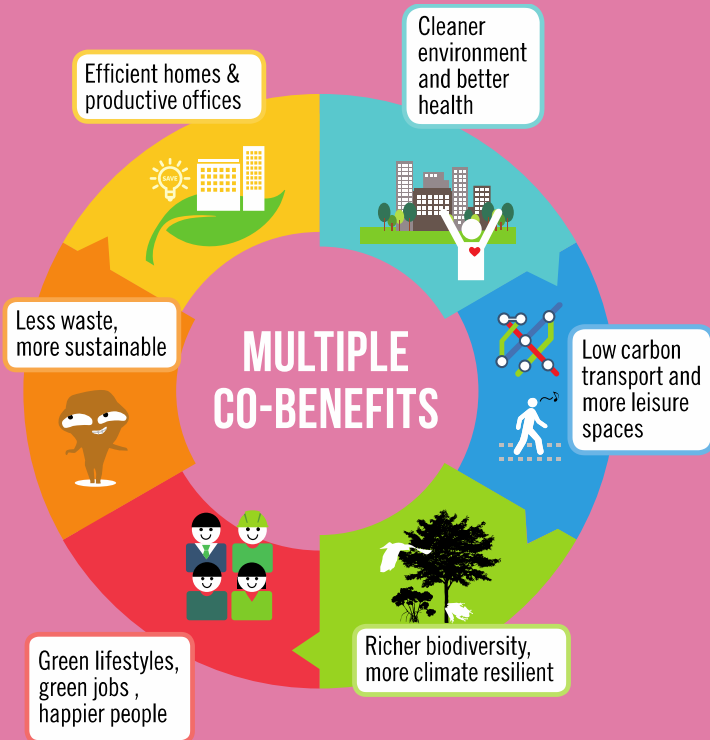
To enhance the message and raise public awareness of the importance of combating climate change, we shall:

Launch an API, a poster and a new **climate change website**

Propose to set aside **\$10M** from ECF to subsidise NGOs to carry out relevant activities and projects

The Education Bureau's signature event for 2016-17 is the Inter-school **Cross-curricular Project Competition on Climate Change**, designed to enhance learning of primary and secondary students about climate change.

# Resilience



## Low Carbon Consumption





# Thank You

Climate  
Ready@HK

氣候變化香港行動