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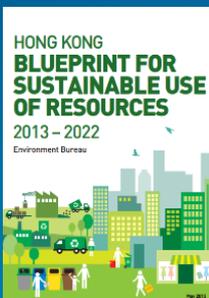
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Learn more:

[Hong Kong Blueprint
for Sustainable Use of
Resources 2013-2022](#)



CIRCULAR ECONOMY/

Waste Management in Hong Kong

- Per capita MSW disposal rate in Hong Kong is among the highest in Asia.
- A holistic waste management approach is urgently needed to reduce waste generation and increase recycling in the city.

Waste production on the rise

- Hong Kong is expected to run out of landfill space by 2019, while the quantity of waste sent to landfill has increased for the fifth consecutive year.
- In 2016, the city produced over 15,300 tonnes of waste each day, which has increased compared to 13,500 tonnes per day in 2011; the overall recycling rate in 2016 was 34%, down from 48% in 2011.
- Per capita MSW generation in 2016 was 1.41kg, which is higher than other Asian cities, such as Tokyo (0.77kg), Seoul (0.95), and Taipei (1 kg).
- Locally, over 97% of recyclables are being exported for processing (e.g. Mainland China and Thailand). China's recent import ban on waste would further drive down Hong Kong's recycling rates if no measures are taken.

Towards a "Use Less, Waste Less" lifestyle

The government is realising its waste minimisation strategies as proposed in the Blueprint for Sustainable Use of Resources 2013-2022 through:

- **Electronic waste** – The [WEEE-PARK](#) was opened in March 2018. The facility is expected to recycle and treat 30,000 tonnes of waste electrical and electric equipment per year, which equals to about half of the locally generated electronic wastes.
- **Incineration** – The [Integrated Waste Management Facilities](#) with daily MSW treatment capacity of 3,000 tonnes is being planned, in which the incineration process is expected to reduce incoming waste volume by 90%.
- **MSW charging** – [Volume-based charging](#) will be implemented on households and shops in the second half of 2019 at the earliest.
- **Organic waste treatment** – Two [Organic Resources Recovery Centres](#) with a total daily treatment capacity of 500 tonnes are being developed. Biogas produced from the facilities will be utilised for electricity generation. The first facility will be commissioned this year.
- **Sludge treatment** – The sludge treatment facility ([T-PARK](#)) has been in full operation since 2016. The facility incinerates up to 2,000 tonnes of sewage sludge per day. Heat is recovered in the process to generate electricity.

ENERGY POLICY/

Feed-in Tariff Rates Proposed in Hong Kong

- The government proposed feed-in tariff rates (FiT) to motivate the public and organisations to install distributed renewable energy (RE) systems.
- The scheme is expected to boost demand for installation and maintenance of the RE systems in coming years.

Boosting RE Production

Currently, about 1% of Hong Kong's electricity is generated from renewable sources. The government has identified in the Climate Action Plan 2030+ that Hong Kong has 3-4% of realisable RE potential by 2030, including solar, wind, and waste-to-energy. The government has announced details on the proposed FiT scheme to boost local RE production:

- The tariff will be set at HK\$3-5 per kilowatt hour of electricity according to capacities of installed systems (from 10 kilowatts to 1 megawatt), which is about three to five times higher than current electricity prices.
- The proposed FiT is expected to incentivise RE installations through the shortening of the payback periods of RE investments (including installation, operation and maintenance costs) to around 10 years, compared to over 30 years without tariff.
- The FiT will last until 2033 as part of the Scheme of Control Agreements (SCAs) between the government and the two power firms in Hong Kong.

→ [Read our article on Climate Action Plan 2030+...](#)

→ [Read our article on SCAs...](#)

To offset part of the cost incurred by FiT, power companies will have the option to sell renewable energy certificates to businesses or even members of the public, which would be used to meet corporate social responsibility commitments and offset carbon emissions from daily operations, or to lower individual carbon footprints.

Opportunities for Distributed RE Installations

It is estimated that over 230,000 buildings in Hong Kong have the potential to install rooftop solar panels and contribute to around 10% of the city's total electricity consumption. It is expected that the introduction of FiT will promote the installation of distributed RE (e.g. rooftop PV and wind turbines), especially at village houses in rural areas.

- FiT will spur new demand for the installation of RE systems, which will require expert resources for site surveys, set-up, ongoing maintenance and inspections of the systems.
- The future decommissioning of the RE systems will require careful planning of the waste management process to ensure proper recycling and disposal of the waste generated from solar panels and wind turbines, etc.

Learn more:

[Feed-in tariff for solar power in selected places](#)

[Generate income by generating power – Hong Kong homes close to selling solar power under new 'feed-in tariff' scheme](#)

Company News

Hong Kong – Scotland Business Innovation Forum

We attended the forum on 13 April, in which the business community gathered to share business innovation ideas. Nicola Sturgeon, First Minister of Scotland, delivered a key note address and promoted Scotland as a location for inward investment. Professor Charlie Jeffrey, Senior Vice Principal of University of Edinburgh, also shared on how the University is leading innovation through AI and Informatics.



Supply Chain & Logistics Innovation Forum

We joined the forum as one of the guest speakers on 22 March. The forum aimed to share best practices of the industries and lessons learned from driving innovations in operations. Our talk included a review of sustainable development and how innovations can be applied to reduce environmental impacts and emissions from the supply chain and logistics industries.



UEBS MBA Trek

The MBA trek programme was successfully held from 14 to 21 April in Hong Kong and Guangzhou. We facilitated the organisation of the programme, including visits to HKE, CLP, Towngas, BYD and TBSI, for the University of Edinburgh Business School students.

Award of Tender

We have been awarded the tender on the provision of service for formulation and implementation of carbon reduction certification scheme for food waste delivery to Organic Resources Recovery Centre Phase 1 by the Environmental Protection Department. We have partnered with [Eunomia](#), a UK consultancy firm with expertise in the area of waste facility carbon foot-printing, to provide services for the project.



Funding Opportunity

Innovation and Technology Fund for Better Living

The fund aims to finance innovation and technology projects that create convenient, comfortable and safe environment for people to live in, or projects that address the needs of specific community groups. Hong Kong registered companies are eligible for the fund. Overseas companies are welcomed to partner with HKCCI to apply for the fund. [Learn more...](#)



Collaboration Opportunities

We are working with the following companies in Asia to explore opportunities in technology transfer:

Document Data Extraction

[Glee Tree](#), a business robotic process automation company based in Singapore, is looking for technologies to extract data from scanned documents.

Flaxseed Technology and Application

A Chinese company is looking for cost-effective technologies to process flaxseed into products (e.g. flaxseed-based paint and flaxseed-based plastic) other than flaxseed oil.

Industrial Internet

A Chinese company listed on Nasdaq that provides cloud-based data analytics and AI solutions for enterprises is looking for Industrial Internet technologies.

Waste-to-Energy Facility

[Airport Authority Hong Kong](#) is looking for technologies on small-scale waste-to-energy facility that are able to treat less than 50 tonnes of waste per day.

Soil and Waste Treatment

[The China Greenland Broad Greenstate Group](#), a Chinese firm listed in Hong Kong, specialises in landscape design and gardening services for PPP projects in China. The firm is seeking to acquire western environmental-related technologies or patents for soil rehabilitation, water treatment and household waste treatment, etc. to enhance its market competitiveness in China.

Please contact Ms Helena Wong (helena.wong@hkcci.com.hk) if you are interested in any of the above collaborations.



Upcoming Events

Browse upcoming events in Hong Kong and Asia:

Events 2018	
Hong Kong	
23 MAY	BEC EnviroSeries Conference
28-30 MAY	2018 International Conference on Bioenergy and Clean Energy
14 JUN	CMO Innovation Summit 2018
27-29 JUN	Belt and Road International Food Expo (HK)
28 JUN	Belt and Road Summit
09-12 JUL	RISE Conference 2018
01 AUG	The AI Summit Hong Kong
18-19 AUG	Engineering Medical Innovation Summit: Medicine for the Future 2018
Asia	
18-19 MAY	14th WALCC Low-Carbon Development World Forum
27-29 JUN	Mobile World Congress Shanghai
08-12 JUL	World Cities Summit
18-19 SEP	TechInnovation 2018



Other News

Browse low-carbon and innovation news in Hong Kong and Asia:

17 APR 2018

Hong Kong families with rooftop solar panels or wind turbines could sell energy for up to five times the current electricity price

22 MAR 2018

With climate change, Hong Kong looks to artificial intelligence

10 APR 2018

Singapore and Hong Kong are winning over start-up accelerators

12 MAR 2018

How Hong Kong can be the bridge to the world for mainland China's green bond market

08 APR 2018

Will Hong Kong innovation scheme enrich investors rather than drive tech ideas?

07 MAR 2018

How China's internet boom is creating new jobs in the country's rural areas

31 MAR 2018

Should Hong Kong look to Singapore to make its bike-sharing scheme a success?

01 MAR 2018

Hong Kong outlines grant for first-time corporate bond issuers and plans for green bonds in budget

22 MAR 2018

Innovation and trade top priorities for closer Hong Kong and Britain ties

01 MAR 2018

All eyes on Hong Kong Science Park after massive HK\$40 billion budget handout

About Us

We aim to establish itself into a reputable hub for education, research and development, and application of world-class low-carbon solutions with strong partnership among the UK, Hong Kong, and China.

[Website](#) | [LinkedIn](#) | [Facebook](#)

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