

ASIA-PACIFIC ECONOMIC COOPERATION (APEC)

EGNRET 53 Meeting

Seoul, Republic of Korea

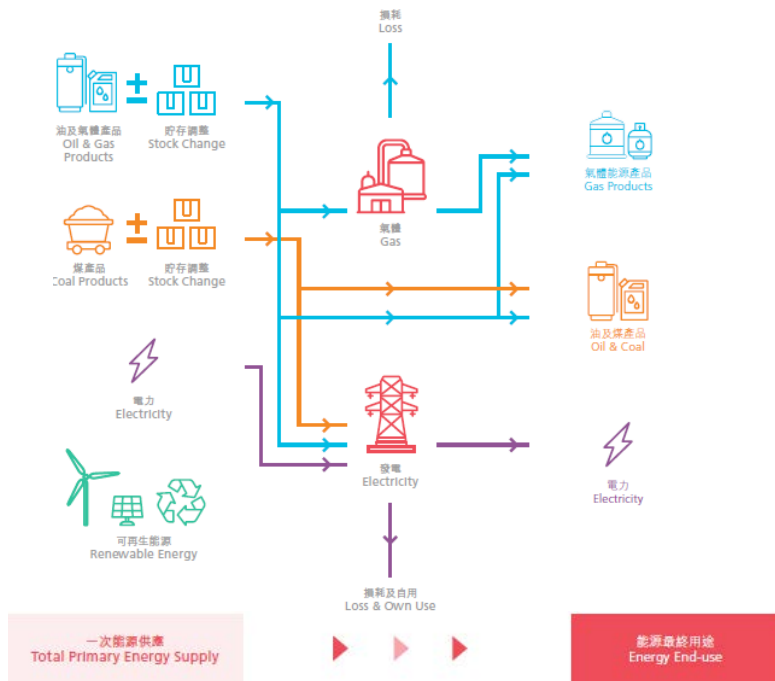
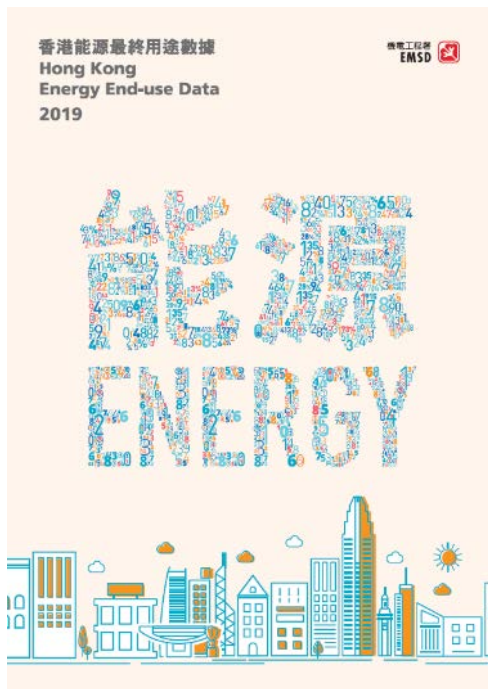
ECONOMY UPDATES

Hong Kong, China

23 October 2019



Hong Kong Energy End-use Data





Hong Kong Energy End-use Data

Weighting of Renewable Energy in Respective Fuel Type

油及煤產品

Oil & Coal Products

28%

可再生能源

Renewable Energy 0.3%



煤氣及石油氣

Town Gas & LPG

17%

可再生能源

Renewable Energy 3.5%



2017

286,270

太焦耳 TJ



電力

Electricity

55%

可再生能源

Renewable Energy 0.2%



Hong Kong Energy End-use Data

Composition of Renewable Energy in Hong Kong

生物柴油 Bio-diesel

11.5%

270 太焦耳 TJ

太陽能 Solar Energy

1.9%

46 太焦耳 TJ

風能及水能

Wind Energy & Hydropower

<1%

14 太焦耳 TJ



轉廢為能 Waste-to-energy
86.0%

2,019 太焦耳 TJ



Renewable Energy Infrastructure - PV

Floating PV at Shek Pik Reservoir



Floating PV at Plover Cove Reservoir



Solar Farm at Siu Ho Wan Sewage Treatment Works





Renewable Energy Infrastructure - WTE

O · Park Organic Resources Recovery Centre Phase 1



Food Waste / Sewage Sludge Anaerobic
Co-digestion Trial Scheme

T · Park Sludge Treatment Facilities





Renewable Energy Infrastructure

In the future...

Large-scale Floating PV in Reservoirs



PV at Suitable at Landfill Sites





Renewable Energy Infrastructure

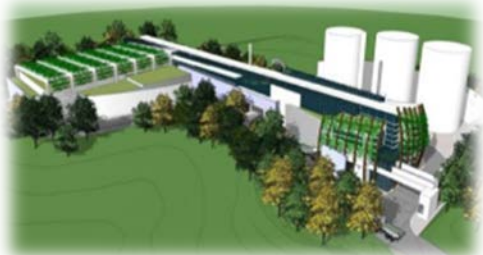
In the future...

Integrated Waste Management Facilities Phase 1 (to be commissioned in 2024)

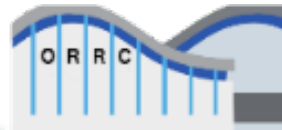


Sha Tin Sewage Treatment Works
Co-digestion Trial (To be
commissioned in 2019)

ORRC 2 (to be commissioned in 2021)



ORRC 3 (Conducting feasibility study)





RE in Government and NGO Venues



"Solar Harvest"



Government Premises



Non-Government Schools + Welfare NGOs



Feed-in Tariff and RE Certificate Schemes



Feed-in Tariff

- ~5,000 applications (since Oct 2018) [as at Aug 2019]





Public Engagement



可持續發展委員會
Council for Sustainable Development

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Long-term Decarbonisation Strategy Public Engagement



Let's all support
low-carbon transformation

Hong Kong, China



Public Engagement

Impacts Of Climate Change

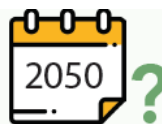
Decarbonisation Target And The Paris Agreement

How To Transition Towards A Low-carbon Society?

How To Promote Energy Saving And Enhance Efficiency?

How To Use More Zero Carbon Energy For Electricity Generation?

How To Promote Low-carbon Transport?



Key Considerations:



Improving Fuel Mix For Electricity Generation



Coal

~25%

→ Continue to phase down



Natural Gas

~50%

→ Continue to increase



Non-fossil fuels, including imported nuclear and renewable energy

~25%

→ Continue to increase



Decarbonise Today
Rise To A Brighter Future

Thank You

