



The 51st APEC EGNRET Meeting

Hong Kong, China

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Energy End-use of RE in Hong Kong, China

- In 2015, the energy finally consumed was 287,986 TJ.
- Gaseous RE about 3% of the "Town Gas & LPG".
- Oil type RE about 0.3% of the "Oil & Coal Products.
- Renewable electricity about 0.1% of the "Electricity Consumption"

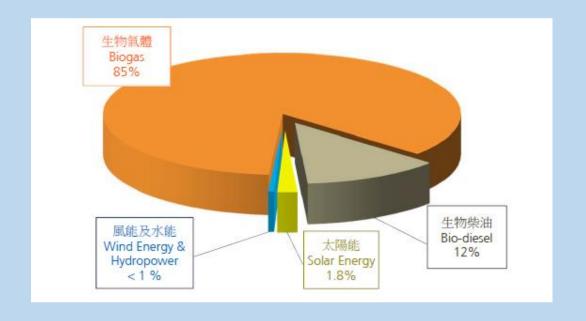






Energy End-use of RE in Hong Kong, China

- In 2015, around 1,899 TJ of RE of various types were produced and consumed by end uses.
- Renewable Energy accounts for about 0.66% of Energy End-use

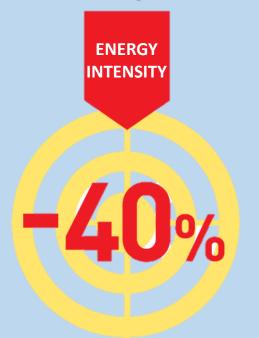




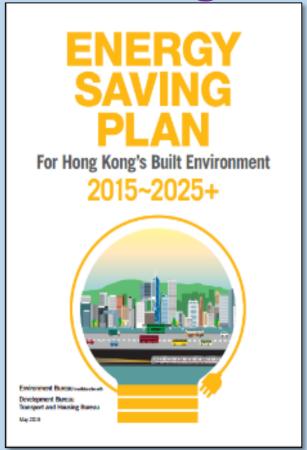


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Policy for Promoting RE



Year 2025

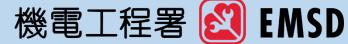
















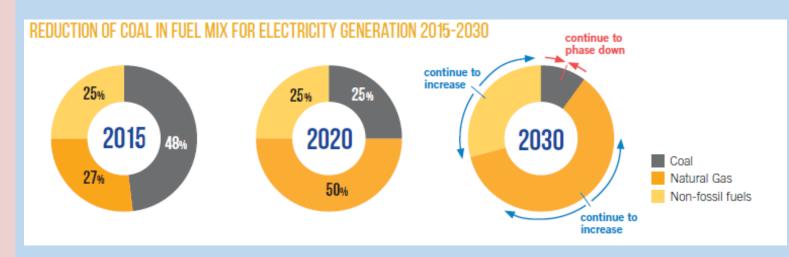






Energy Mix of Hong Kong, China

Reduce coal usage Use cleaner fuels (e.g. natural gas) develop RE and distributed power



Fuel Switch for Electricity Generation





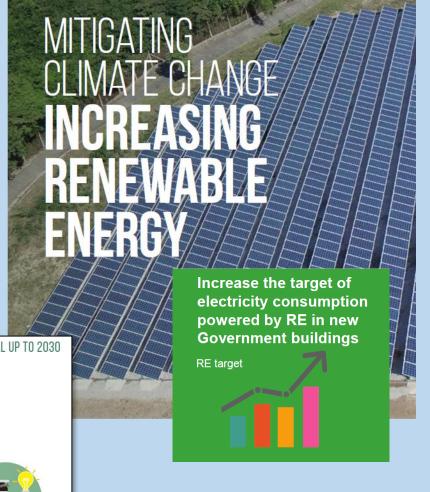
Policy for Promoting RE

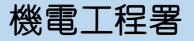
For Public Sector

- Strengthened guidelines for Government premises to adopt RE;
 - 1.5% RE for electricity consumption in new schools and educational building;
 - 25% RE for lighting in public park;
 - 10% available roof space for RE
- Government premises and infrastructure – invest \$1 billion in RE starting from 2017.



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Policy for Promoting RE

For Private Sector

Feed-in Tariff





 Feed-in Tariff is about 3-5 times of normal tariff depending on the scale of RE system including wind and PV

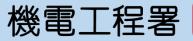


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RE Certificates



Community can show its support for RE through purchasing RE Certificates







7 月年記象 BNNIVEDGDDV

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Policy for Promoting RE









機電工程署 🕰





(Source: www.clp.com.hk)





- Projects completed in late 2012.
- Powers a non-profit drug rehabilitation centre, is Hong Kong's first commercialscale standalone RE supply.









- Submarine Cable Option
 - Impact on undersea corals
- Overhead Line Option
 - Visual Intrusion
 - Marine navigation safety
- Bio-diesel Generator Option
 - Diesel transportation & storage
 - Monthly maintenance
 - Noise & Air pollution













- It comprises 672 solar panels, two wind turbines and 576 batteries, with a generating capacity of up to 200 kW.
- Batteries capable of storing over 1,000 kWh of electricity to provide a power supply lasting for around 30 hours.









- Why Solar and Wind Energy?
 - No obstruction to sunlight
 - Hybrid sources of solar and wind energies could enhance the effectiveness of the system and meeting the ultimate electricity demand of the island
 - More Cost effective than submarine cable











First Organic Resources Recovery Centre – O · Park 1







Thank you

