

The 55th Meeting of the APEC Expert Group on New and Renewable Energy Technologies (EGNRET 55)

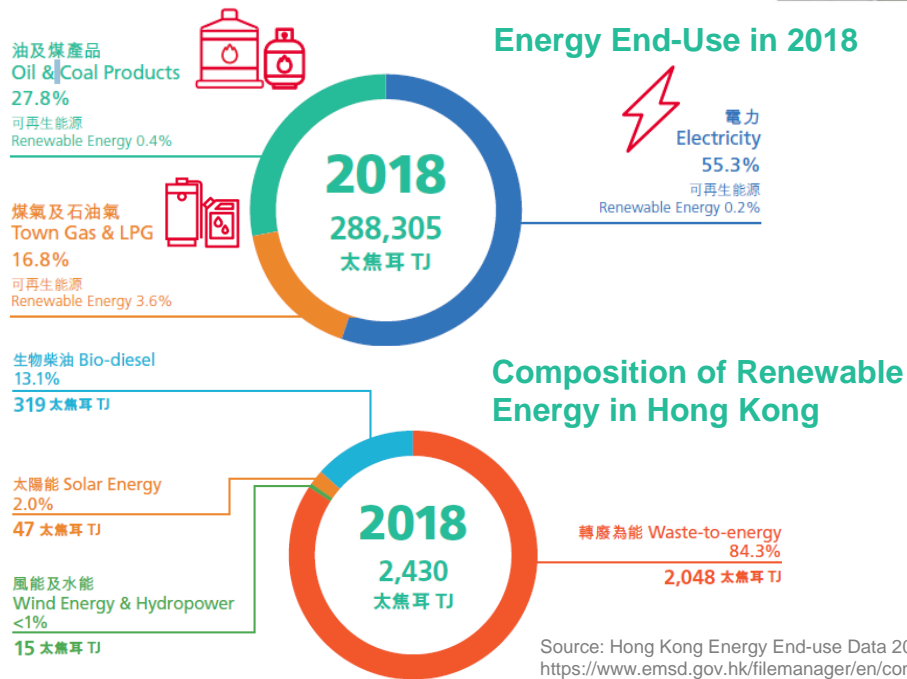
Economy Updates
by Hong Kong, China

Striving towards Carbon Neutrality



2020 Policy Address announce: Hong Kong China would strive to achieve carbon neutrality before

2050



Source: Hong Kong Energy End-use Data 2020
https://www.emsd.gov.hk/filemanager/en/content_762/HKEUD2020.pdf

Facilitation Measures for Development of RE

FIT and RE certificate systems

(as of March 2021)

~15000 REPS

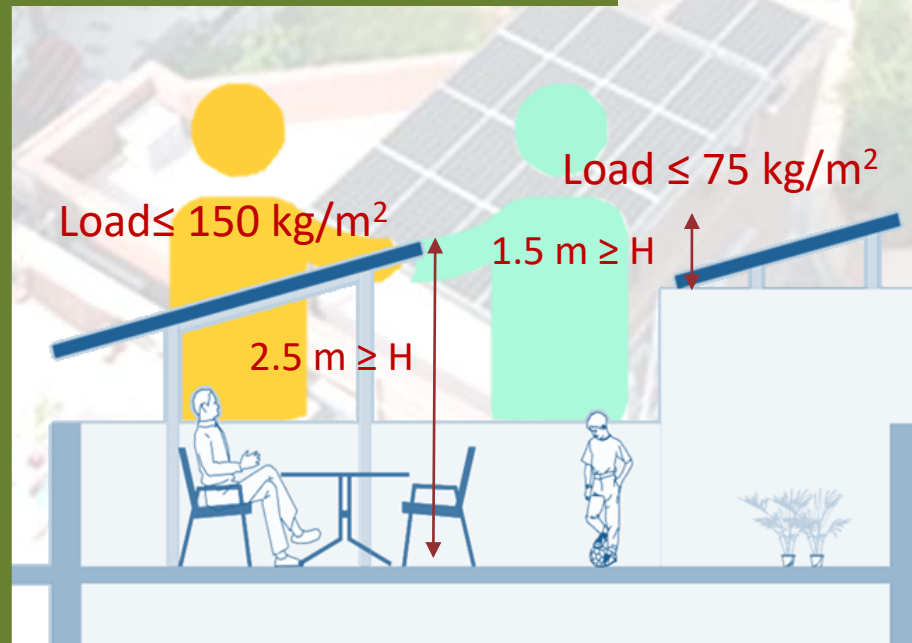
200MW installed

- Around 90% approved

>7000 on-grid

89MW connected

Relaxing Buildings-related Regulations



More Facilitation Measures for Development of RE



Providing Tax
Incentives on
Procurement of RE
Power Systems

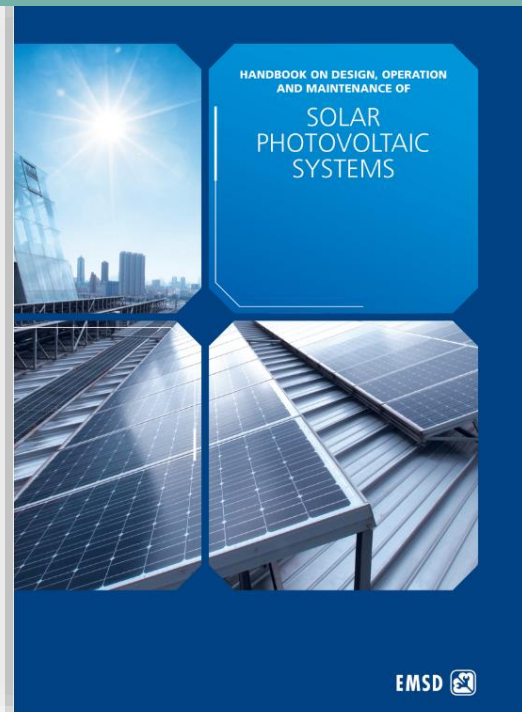
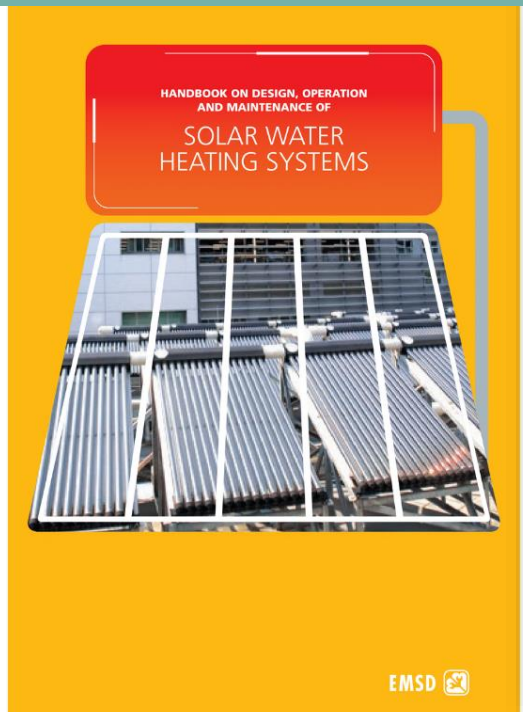


Enhancing Public
Awareness on RE
Technologies



Solar Harvest

Promoting RE applications



Green Tech Fund

Decarbonisation Emission Reduction Waste Reduction

Feed-in Tariff
2018-2020



Air Quality
2017-2019



Waste-to-energy/resources
2018-2020



DECARBONISATION & ENERGY SAVING

- GREEN TRANSPORT
- WASTE MANAGEMENT
- AIR & WATER QUALITY

PRIORITY THEMES

Projects under priority themes will be accorded priority. The priority themes and examples for current round of application are:

Decarbonisation and Energy Saving

Renewable Energy (RE)

Energy Efficiency and Conservation

Carbon Removal Technologies

Hydrogen Economy

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WHAT'S NEW

ABOUT THE FUND

ADMINISTRATION OF APPROVED PROJECTS

GUIDES AND FORMS



PRIORITY THEME

FLOATING PHOTOVOLTAIC SYSTEM AT PLOVER COVE RESERVOIR

MORE EXAMPLES

Electrical and Mechanical Services Department (EMSD) launched the E&M InnoPortal which lists the service wishes of various government departments, public organisations and the E&M trades, and invites the I&T sector, including start-ups and universities to propose relevant I&T solutions for matching. For successfully matched I&T wishes and solutions, EMSD will carry out field trials in a bid to promote and drive the research & development and application of innovative technologies.



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Flexible PV Panel with Metal Wrap Through (MWT) technology

(REF : P-0179)

[See More](#)

TRIAL COMPLETED



Portable solar renewable system

(REF : P-0017)

[See More](#)

NEW



Development of Water droplet-based Electricity Generator (DEG)

(REF : P-0178)

[See More](#)

TRIAL COMPLETED

FINAL REPORT



Kilowatt-class Flow Battery for Cost Effective and Scalable Storage of Renewable Energies

(REF : P-0004)

[See More](#)



Thermo-electrochemical capacitor device/Conversion of low-grade waste heat into electricity

(REF : P-0089)

[See More](#)

THANK YOU

香港力爭2050年前實現碳中和
HK will strive to achieve carbon neutrality before 2050

