

Living with Renewable Energy in Hong Kong

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Assistant Director/Electricity and Energy Efficiency, EMSD
7 November 2019

Loulan Kingdom (樓蘭古國)



2

Image source: www.ancient-origins.net

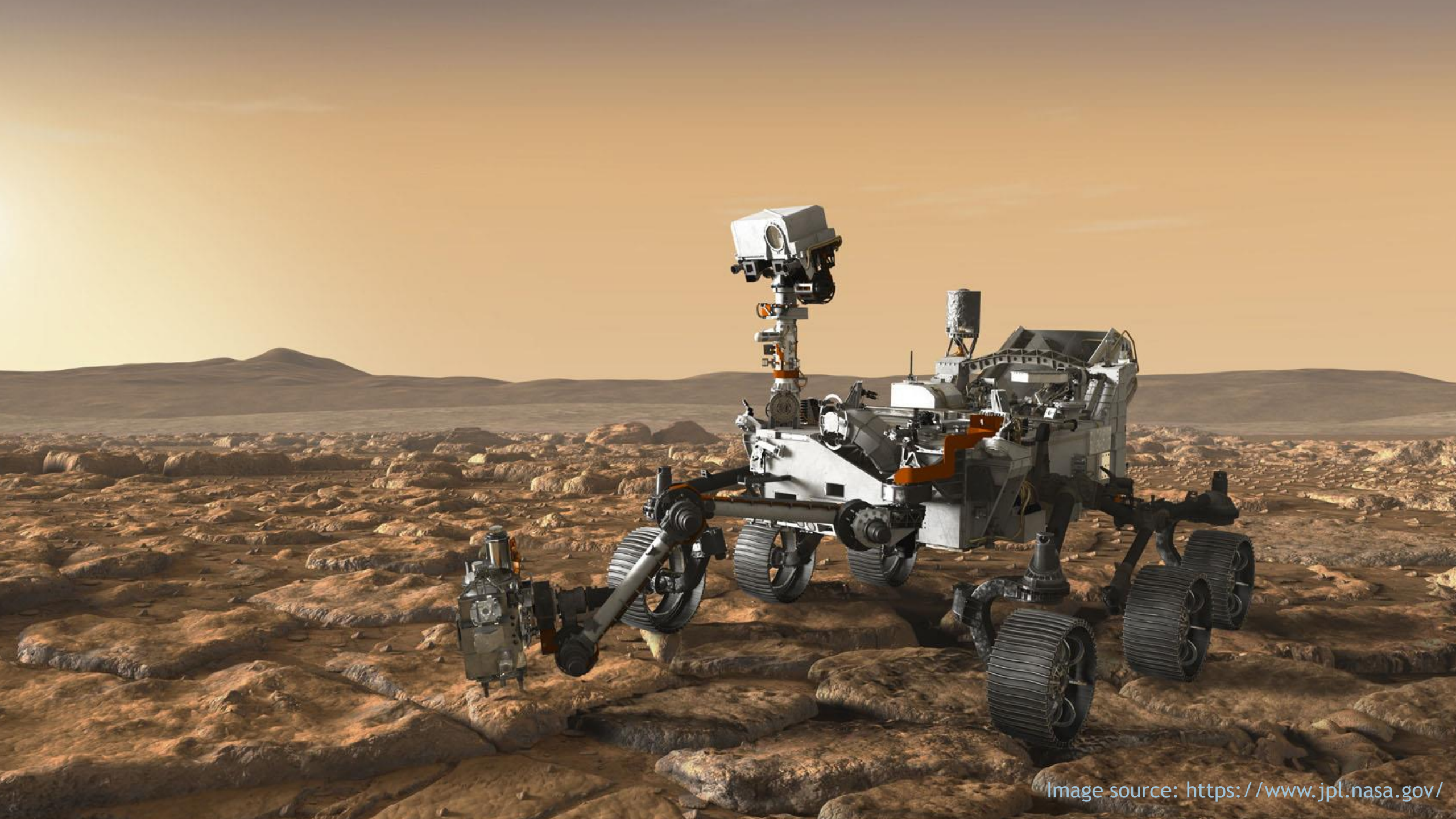


Image source: <https://www.jpl.nasa.gov/>

Water found for first time on 'potentially habitable' planet

By Pallab Ghosh
Science correspondent, BBC News

© 12 September 2019

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ESA/UCL

Waterworld: up to 50% of the atmosphere of K2-18b may be composed of water

4



Global Climate Change

Global Temperature Change

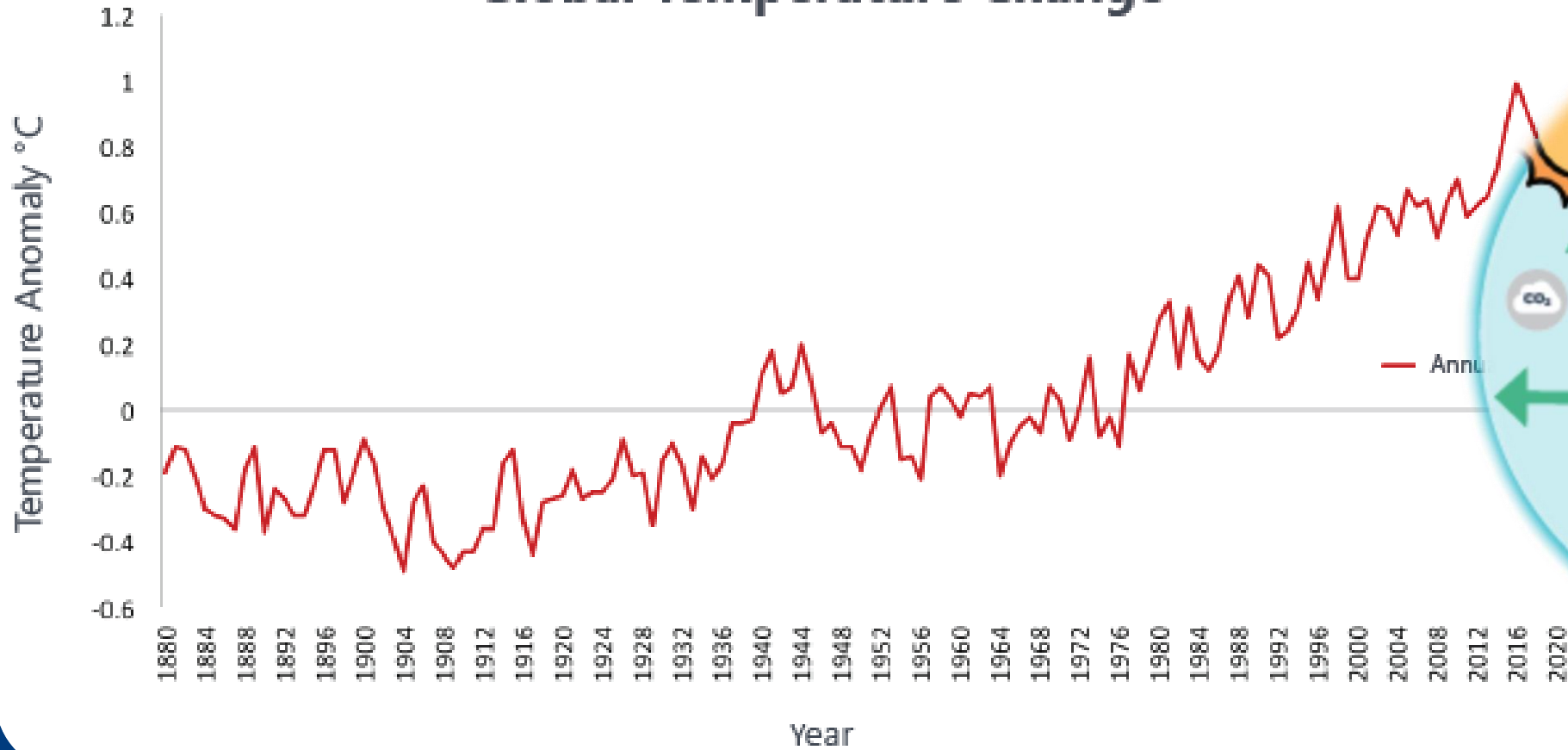
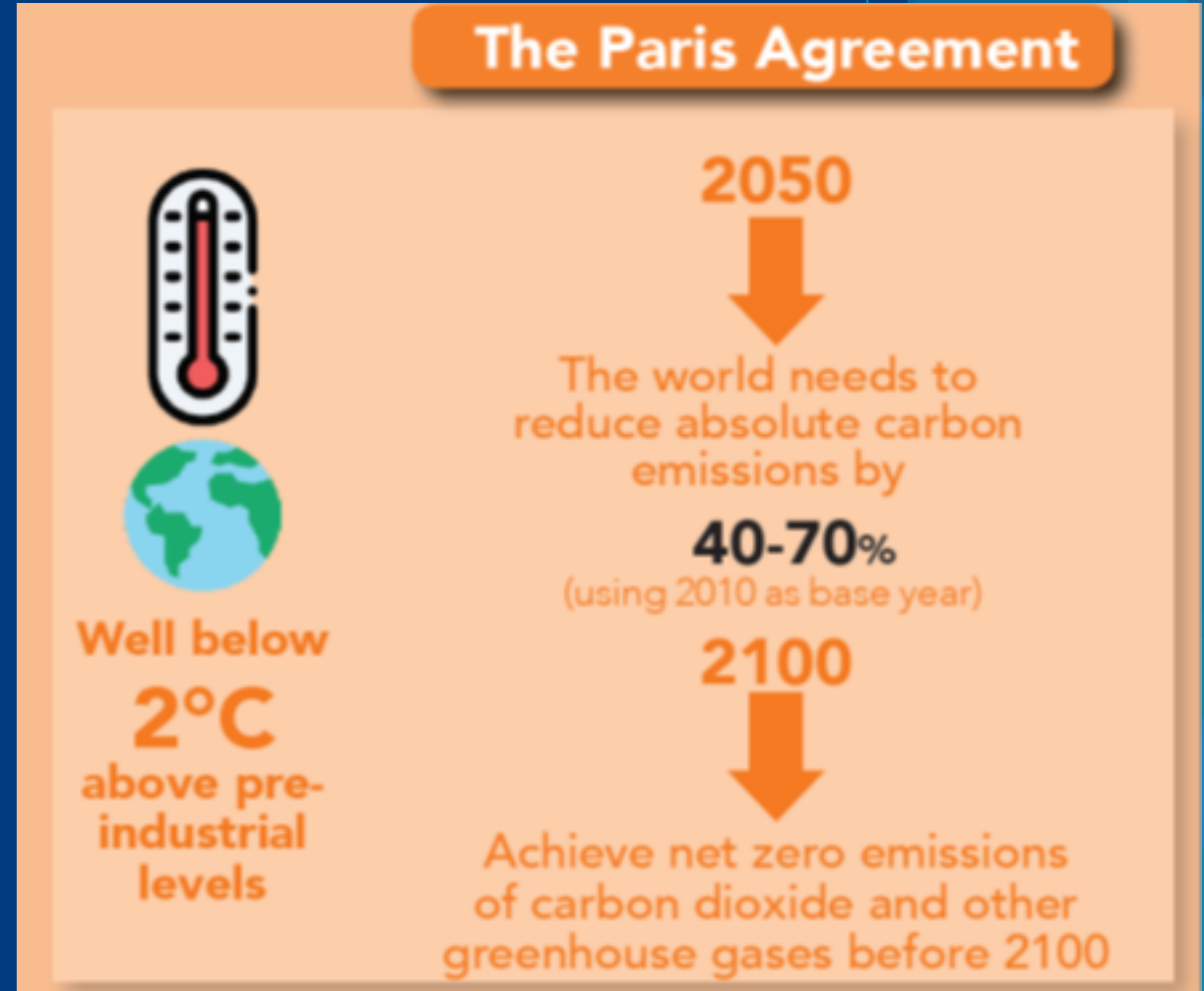
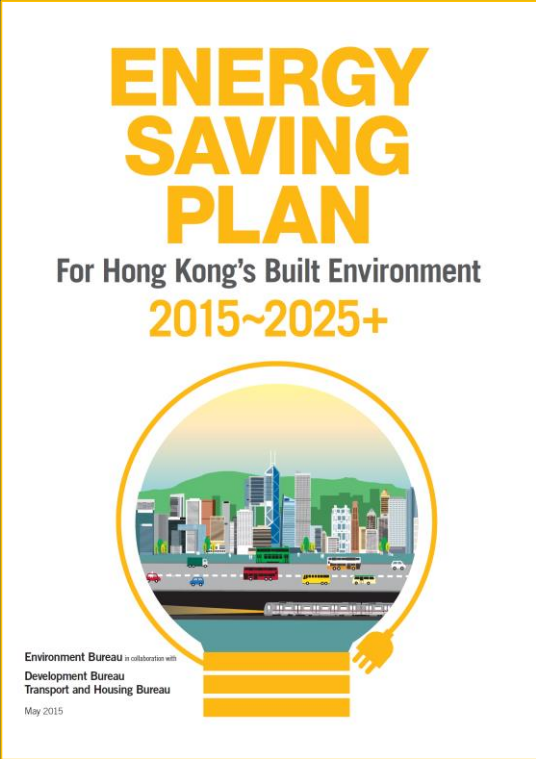


Image Source: climate.nasa.gov

Paris Agreement & UN Climate Change Summit

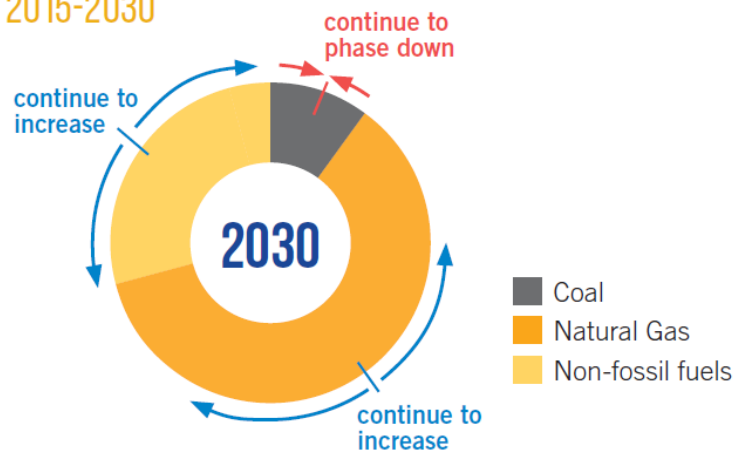
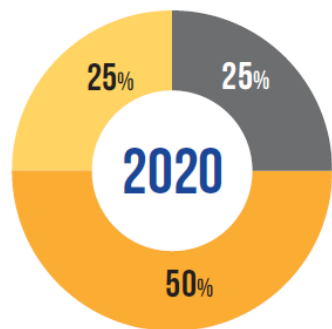
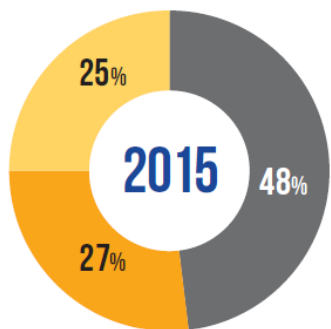


Hong Kong's Targets



Phase down coal by 2030

REDUCTION OF COAL IN FUEL MIX FOR ELECTRICITY GENERATION 2015-2030



- Coal
- Natural Gas
- Non-fossil fuels

RE Constraints in Hong Kong



Image Source: Photographer Michael Wolf Capturing image

Government Takes the Lead



11

Image source: imastv.com

Solar



Solar Farm at Siu Ho Wan Sewage Treatment Works



PV System at EMSD HQs

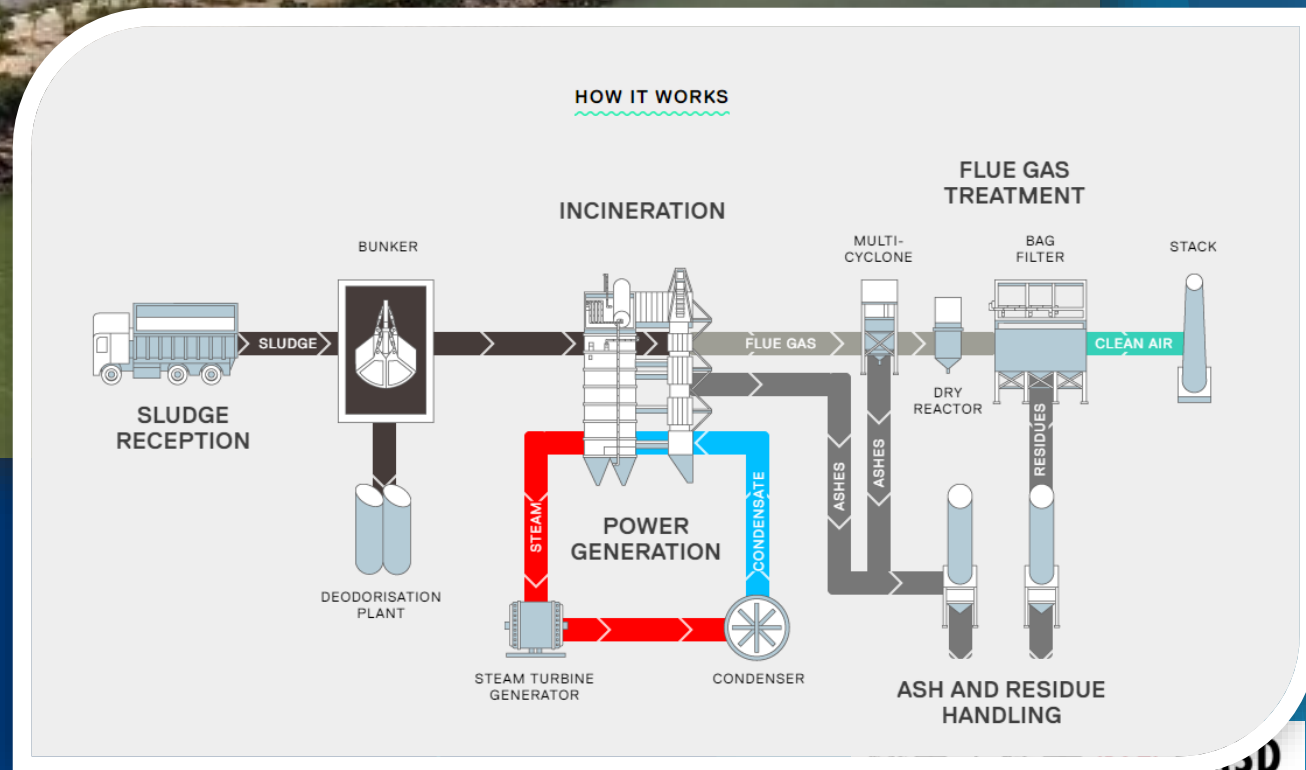


Floating PV at Shek Pik Reservoir

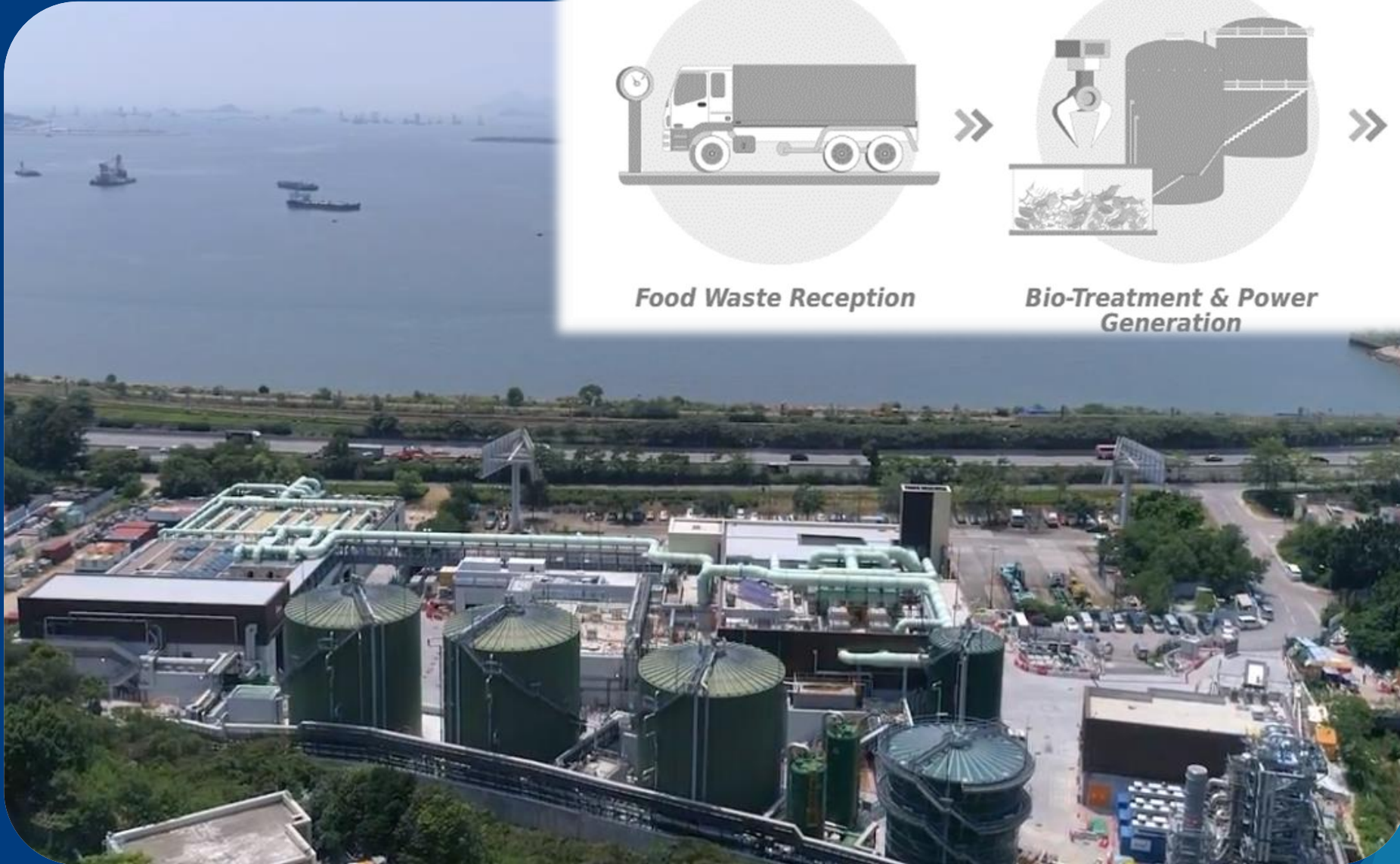


Source: info.gov.hk

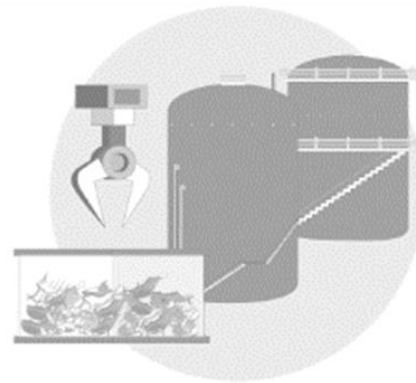
Waste to Energy



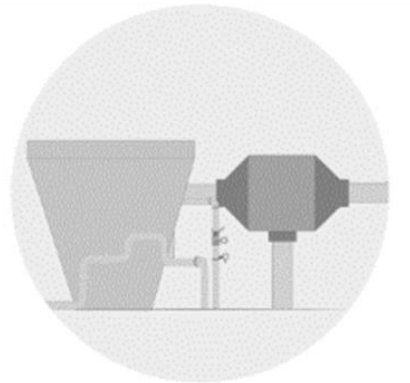
Waste to Energy



Food Waste Reception



Bio-Treatment & Power Generation



Clean Emission

Source: singtao daily

FiT and RE Certificates



兩家電力公司的新《管制計劃協議》 New Scheme of Control Agreements with the Two Power Companies



Affordability 環保 Environmental Protection 氣候變化 Global Climate Change 能源效益和節能 Energy Efficiency & Conservation
兩側管理 Two-Side Management 可持續 Sustainable 改善空氣質素 Improve Air Quality 減
可靠 Reliable 減少碳排放 Carbon Reduction 改善

RE Certificates



RE in Private Sectors

Disneyland, planned 4,500 nos. PV Panels, expected 1.86 MWh/year

Ocean Park's PV system, expected 0.2 MWh/year



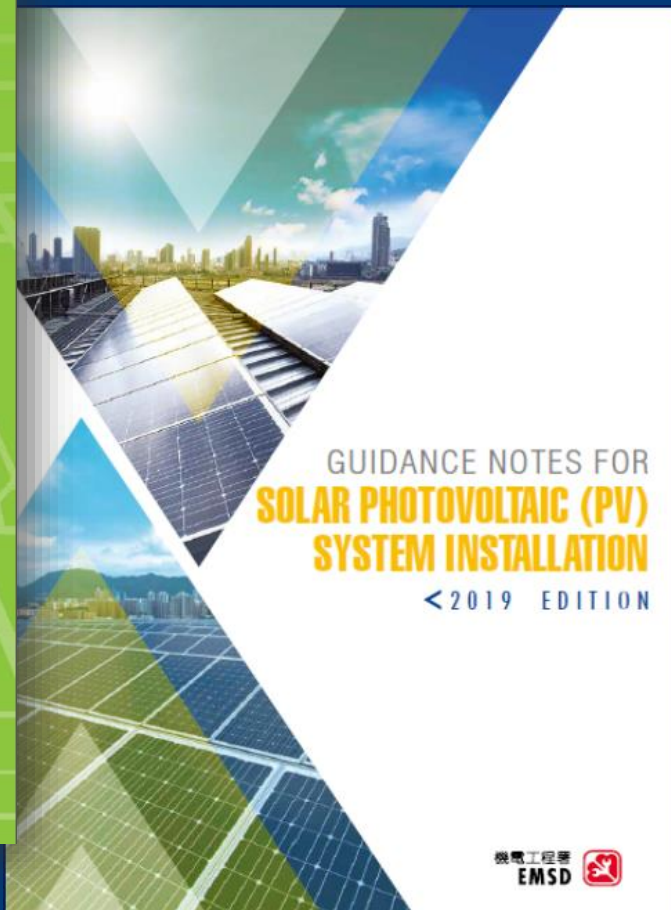
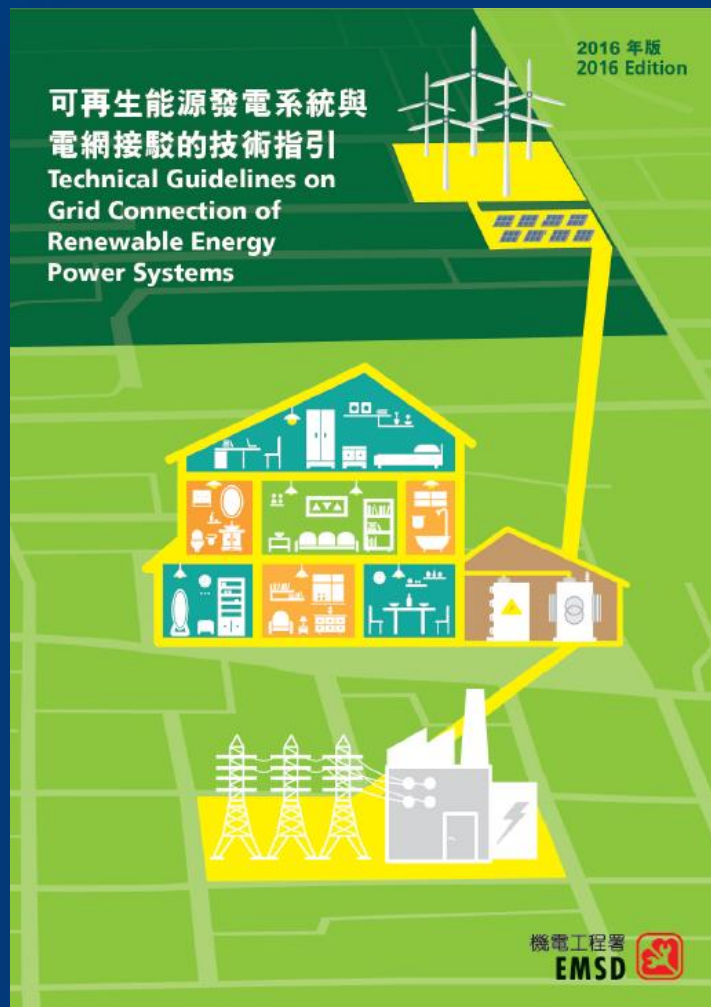
Vitasoy Main Building, 800 nos. PV Panels, expected 0.2 MWh/year

RE in Schools and NGOs



Image source: scmp

RE of the Government



香港可再生能源網

HK RE Net

<https://re.emsd.gov.hk>



RE of the Government



上網電價及太陽能光伏系統研討會

機電工程署
EMSD
支持機構：鄉議局

費用全免

日期：2019年10月9日（星期三）
時間：下午7時30分至9時30分（下午7時開始登記）
地點：鄉議局大樓大劇院（新界沙田石門安睦街30號）

內容：
- 簡介「上網電價」計劃及可再生能源發電系統與電網接駁的技術指引
- 「上網電價」計劃的申請程序及安裝須知
- 有關發電設施的註冊及維修的法規要求
- 安裝太陽能光伏系統的相關法例要求

講者：機電工程署、地政總署、屋宇署及中華電力有限公司代表
對象：市民大眾及其對上網電價及太陽能光伏系統有興趣的人士

語言：廣東話
報名：請於以下網頁登記 <http://bit.ly/2VJ53L7>
截止報名日期：2019年9月27日
(座位有限，額滿即止。報名後一星期內以電郵通知報名結果)
查詢：請致電2967 8855或電郵至 asiangatec@gmail.com 聯絡活動秘書處



Living with RE together

