

## **CLP Power's Support to Local Renewable Energy Development**

In support of HKSAR's environmental policy to cope with the increasing challenge of climate change, CLP Power Hong Kong Limited (CLP Power) has been pursuing various mitigation measures in achieving carbon reduction. These include decarbonising the fuel mix for electricity generation, supporting the enhancement of buildings' energy efficiency, implementing demand side management measures and stepping up public education campaigns to promote energy saving.

On supply side, CLP Power strives to explore development of practical local renewable energy (RE) opportunities. However, RE requires higher generation cost and very often large land footprint. Given its intermittent nature, RE also requires backup, which usually comes from conventional generation.

Despite the land availability and other constraints in Hong Kong, CLP Power developed Hong Kong's first standalone commercial-scale RE system on Town Island in Sai Kung in 2010, powering the operations of a drug rehabilitation centre on the island. The company also plans to install power generation units at the West New Territories (WENT) Landfill. Electricity generated by the landfill gas produced there as fuel will then be transmitted to the grid and contribute to a cleaner fuel mix for Hong Kong. The project is expected to commission by the end of 2018.

On the customer side, CLP Power has been supporting customers with easy connection of distributed RE generation systems to our grid. There are to date approximately 300 distributed RE facilities connected to CLP Power's grid, with a total generating capacity of approximately 41 MW. The majority of these installations are photovoltaic and wind systems, including the largest solar farm in Hong Kong installed at the Siu Ho Wan Sewage Treatment Works of the Drainage Services Department and the floating solar system at Plover Cove.

To facilitate the community in developing RE projects, CLP provides consultancy and technical support to those who are interested in adopting RE. These include Solar Energy Assessment Service, grid connection support and streamlined application procedures. In the meantime, a dedicated enquiry hotline is in place and detailed information on the company website is available.

Looking forward, new initiatives including Feed-in Tariff and Renewable Energy Certificates will be introduced upon the commencement of the new Scheme of Control Agreement starting from 1 October 2018 to encourage community participation in local RE development. CLP Power is now developing and discussing the details of these new initiatives with the Government. Meanwhile, CLP Power will continue to engage and communicate with the community to ensure the new schemes will help promote RE development. We look forward to building Hong Kong into a more sustainable and cleaner city.