

## 8. Renewable Energy

### 8.1 Lamma Winds and Solar Power System

Committed to developing renewable energy (“RE”), HK Electric has built the city’s first commercial scale wind turbine, “Lamma Winds” and an extensive solar power system.

[Lamma Winds](#) was commissioned in February 2006. Perched atop Tai Ling on the northern part of Lamma Island, it is Hong Kong’s first grid-connected wind power station and is now a very popular destination for visitors to Lamma Island.

Commissioned in 2010, the [solar power system](#) is located inside Lamma Power Station and is one of the largest in Hong Kong. The 1-MW system comprises more than 8,600 thin-film photovoltaic modules installed on the rooftops and grounds of the station buildings. The two RE systems combined produced about 1.79 million units of electricity in 2018.



### 8.2 Customers’ Connections to our Grid

To encourage and support efforts in using RE in the community, we welcome customers to connect their RE power systems to our electricity grid. The associated electrical installations of the proposed RE systems should comply with our Supply Rules, and the technical and safety requirements stipulated by the Government.

As at end 2018, more than 70 RE installations, mainly from non-residential customers such as government buildings and schools, have been connected to our power grid.

Starting 2019, we launched the “Smart Power Services” to further encourage the use of RE and its connection to our grid (see Section 9.1: Smart Power Services).

