

1. About HK Electric

1.1. Company Overview

Lighting up the homes and businesses of Hong Kong since 1890, HK Electric has a long record of providing a safe and highly reliable electricity supply at a reasonable price to customers on Hong Kong and Lamma islands. Since 1997, its power supply reliability rating has been maintained at over 99.999% – one of the best records in the world.

The Company's operations cover power generation, transmission and distribution, supply and customer service – all regulated by the HKSAR Government through a Scheme of Control Agreement ("SCA"). Thanks to prudent investment and the use of the most appropriate technologies, HK Electric has been instrumental in sustaining the city's economic development and enabling a good quality of life for its citizens. As part of its ongoing efforts to reduce emissions, HK Electric will be increasing the use of natural gas to generate electricity.



1.2. Facts and Figures (as at 31 December 2018)

	Number	Details
Generation Capacity at Lamma Power Station	3,237 MW	<ul style="list-style-type: none"> • 6 coal-fired units • 2 gas-fired units • 5 oil-fired gas turbine units • 1 solar power system • 1 wind turbine
Cable Length	6,457 km	<ul style="list-style-type: none"> • Mainly underground and submarine cables
Cable Tunnels	6	<ul style="list-style-type: none"> • Wah Fu-Bowen • Tin Wan-Wah Fu • Yung Shue Wan • Nam Fung-Parker • Cyberport-Wah Fu • Pak Kok Tsui
Substations	3,963	<ul style="list-style-type: none"> • Switching stations: 24 • Zone substations: 27 • Customer substations: 3,912
Fuel Mix & Source	Natural gas (> 30%) Coal (< 70%)	<ul style="list-style-type: none"> • Main Gas Source: Australia, Qatar • Coal Source: Indonesia, Russia
Electricity Sales	10.537 billion units	<ul style="list-style-type: none"> • Commercial: ~73.7% • Residential: ~23.4% • Industrial: ~2.9%
Customers	579,000	<ul style="list-style-type: none"> • Residential: ~80.4% • Commercial: ~18.8% • Industrial: ~0.8%
Supply Reliability	> 99.999%	<ul style="list-style-type: none"> • Maintained since 1997
Unplanned Customers Minutes Lost	< 1 minute on average	<ul style="list-style-type: none"> • Maintained since 2009
Approved Capital Investment under 2019-2023 Development Plan	\$26.6 billion	<ul style="list-style-type: none"> • Power generation system, transmission and distribution system, customer services and corporate development
Permanent Staff	1,763	<ul style="list-style-type: none"> • Technical: ~61% • Supporting: ~39%