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HK Electric Wins Top Environmental Accolades

HK Electric has received the Gold Award in the Public and Community Services sector at the 2023 Hong Kong Awards for Environmental Excellence (HKAEE) – often referred to as the city’s “Green Oscars”. This is a recognition of the company’s exceptional green management practices and its dedication to promoting sustainable development in Hong Kong.

Speaking at the award presentation ceremony today (2 December 2024), HK Electric Managing Director Mr. Francis C.Y. Cheng thanked the organisers for recognising the Company’s efforts in promoting environmental protection and sustainable development. He said, “We firmly believe that innovation and environmental conservation are keys to unlocking a green future.

“Thanks to our colleagues’ expertise and innovative ideas, we have developed and implemented various new technologies in our daily operations over the past few years. These advancements not only improve our efficiency but also enhance our environmental performance while reducing our carbon emissions,” Mr. Cheng said, adding that the company remains fully committed to sustainable development and contributing more to Hong Kong’s green future through innovating.”

The HKAEE, organised by the Environmental Campaign Committee, the Environment and Ecology Bureau and nine other organisations, is one of the most esteemed and prestigious environmental awards in Hong Kong. Since its inception in 2008, HK Electric has received numerous awards. This year, it has brought home the coveted Gold Award, the second time since 2012.

At the presentation ceremony, Mr. Cheng introduced the company’s green technological applications, including the Fish Deterrent System developed at Lamma Power Station (LPS). The system is installed underwater near the water inlets of LPS. It emits low-frequency whale sounds to deter fish and small marine animals, from entering the water-cooling system and affecting operation of the electricity generation units. Since its implementation, the system has achieved an impressive 99.5% reduction in fish intrusion, with the monthly collection of fish dropping from over 60,000 kg in the peak seasons of 2019 and before to around 25 kg today. This system not only contributes to the stable and safe operations of the power plant but also helps conserve the marine environment and fisheries resources.

Another green initiative is the green mobile electricity supply system. The system, designed to provide temporary relief during a power incident and serve as a stable and clean backup power source for large-scale events, is battery-powered and emission-free during operation. It reduces the emission of roadside air pollutants and noise pollution associated with traditional mobile diesel generators, and is expected to reduce carbon emissions by 30 to 40%.

HK Electric is committed to supporting the HKSAR Government's energy policies, including the transition of fuels from coal to gas. With the commissioning of new gas-fired generating units at LPS and the opening of the Hong Kong Offshore Liquefied Natural Gas Terminal in collaboration with CLP Power, HK Electric now generates around 70% of its power from natural gas. Currently, the Company is constructing one more gas-fired generating unit scheduled for operation in 2029, and has pledged to phase out the use of coal for daily electricity generation by 2035.

To achieve net-zero generation before 2050, HK Electric has formed a study group tasked with formulating a decarbonisation roadmap and exploring the use of emerging technologies such as renewables, hydrogen fuel, battery storage and more. The group is also looking into possible ways for importing zero-carbon electricity via regional collaboration and using hydrogen as fuel in existing gas-fired generating units with proper modifications and repurposing.

Photo Captions:



HK Electric Managing Director Mr. Francis C.Y. Cheng (right) receives the Gold Award from the Secretary for Environment and Ecology Mr. Tse Chin-wan at the Award Presentation Ceremony of 2023 Hong Kong Awards for Environmental Excellence.



Mr. Francis C.Y. Cheng introduces the company's green technological applications with the guests at the award presentation ceremony.



HK Electric wins the Gold Award in the Public and Community Services in 2023 Hong Kong Awards for Environmental Excellence.



The Fish Deterrent System at Lamma Power Station has achieved an impressive 99.5% reduction in fish intrusion into the water-cooling system. This innovation not only ensures the stable and reliable operation of the power plant but also plays a crucial role in conserving the marine environment and protecting fisheries resources.



The green mobile electricity supply system is designed to provide temporary relief during a power incident and serve as a stable and clean backup power source for large-scale events.