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## **HK Electric Prepares for Severe Adverse Weather with Flood Drill**

With the wet and typhoon seasons approaching, HK Electric has conducted a power restoration drill at Heng Fa Chuen, in collaboration with the Electrical and Mechanical Services Department, to bolster its preparedness for handling power disruptions caused by extreme weather conditions.

The drill simulated a black rainstorm warning scenario with torrential rain exceeding 70 millimetres per hour, leading to flooding at several distribution substations in Heng Fa Chuen residential buildings. Rising water levels in these substations triggered flood alarms, activating water pumps to remove accumulating water. Despite these measures, seawater backflow made the situation worse, resulting in a power interruption in the coastal residential areas.

During the three-hour exercise, upon receiving the flood alarms, HK Electric System Control Centre dispatched engineering personnel and deployed a mobile command field centre to the site for emergency repairs and power restoration. Mobile generators and battery storage units were also sent to the site to ensure a temporary supply, minimising disruption to residents in case the substation facilities could not be promptly restarted.

To ensure a stable and reliable power supply during inclement weather, HK Electric has been enhancing the resilience of its systems and facilities, particularly those in coastal and low-lying areas. In addition to existing flood prevention measures at hundreds of substations, new and higher flood walls specified at +6.0 metres Principal Datum are being constructed at facilities in high-risk flooding areas and within 100 meters of the coast to further bolster their flood defence capabilities.

HK Electric regularly reviews and optimises its emergency response plans for adverse weather events. Whenever typhoon signal No. 3 or above is hoisted, operation staff including an emergency team are required to station at Lamma Power Station for 2-shift continuous operation, and manpower will be further

increased if the typhoon is classified as a severe or super typhoon. The Company will also have support teams standby across Hong Kong Island for emergency maintenance when typhoon signal No. 8 or above is hoisted, provide updates through various communication channels to keep customers informed during emergencies, and maintain close contact with the Home Affairs Department, District Councils, and Care Teams on Hong Kong Island and Lamma Island to provide immediate assistance whenever possible.

**Photo Captions:**



HK Electric conducts a power restoration drill at Heng Fa Chuen, in collaboration with the Electrical and Mechanical Services Department, to bolster its preparedness for handling power disruptions caused by extreme weather conditions.



HK Electric sets up a mobile field command centre at the site and deploys mobile generators and battery storage units.



Upon receiving the flood alarms, HK Electric System Control Centre dispatches engineering personnel to the site for emergency repairs and power restoration.