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CLP Power Adopts Multi-pronged Approach to Accelerate Implementation of Measures Outlined in Review Results Report to Further Enhance Resilience of Power Supply System

CLP Power Hong Kong Limited (CLP Power) announced that it would fully adopt the recommendations outlined in the *Review Results Report on CLP Power Hong Kong Limited's Power Supply System* released by the Electrical and Mechanical Services Department today (2 January). The company has developed action plans to fully implement the proposed measures, aiming to further enhance the reliability and management of its power supply system.

CLP Power will further strengthen the management of the power supply system according to five action objectives:

1. Reduce incidents of power supply interruption and voltage dip;
2. Alleviate the impact of power supply interruption and voltage dip on customers;
3. Expedite power restoration after power supply interruption incidents;
4. Leverage innovative technologies for maintenance and monitoring of equipment conditions; and
5. Promote a more proactive maintenance culture comprehensively.

CLP Power provided full support to the HKSAR Government and independent consultant throughout the comprehensive review of its management of the power supply system. During the review exercise, CLP Power has proactively begun to implement a series of enhancement measures since the second half of 2024 to reduce power incidents, speed up incident handling, and provide adequate support to affected customers.

The review by the independent consultant concluded that CLP Power's overall performance on asset maintenance strategies, system for procurement and inspection of materials, supervision, quality assurance standards, and safety design of the power supply system is in line with international standards and industry benchmarks. Despite achieving a supply reliability rate of 99.999% in 2024, CLP Power continued strengthening its grid resilience and implemented a number of measures to enhance the performance of its power supply system against extreme weather, as about 80% of medium- and high-voltage power incidents were caused by

external or environmental factors over the past few years. For instance, Intelligent Management System (Grid-V) is deployed to enable real-time and round-the-clock monitoring of the substations and overhead lines. CLP Power has also conducted trials on Beyond Visual Line of Sight (BVLOS) drone operations to step up inspections of outdoor power facilities. Flood prevention equipment has been installed at critical substations. CLP Power has also installed lightning arresters on overhead transmission lines to improve the resilience of the power system against lightning.

In addition, CLP Power has increased the manpower for emergency maintenance and purchased more high-capacity mobile generators. The company has stepped up emergency drills with Government departments, property management companies and other stakeholders to enhance the communication, responsiveness and coordination of different parties in handling power incidents. CLP Power also provides Power Quality services and organises seminars and workshops regularly to help customers mitigate the impact of voltage dips.

CLP Power Managing Director Mr Joseph Law said, “CLP Power continues to outperform most international metropolises with a supply reliability rate of 99.999%. That said, we highly value the recommendations of the Review Results Report and would like to express our gratitude to the Steering Committee and independent consultant for their thorough analysis and valuable insights. With increasingly frequent extreme weather events posing potential risks to our power supply system, CLP Power has proactively implemented a series of enhancement measures before the review concluded. We have given priority to measures for high-risk and critical assets and leverage innovative technologies to enhance asset management, and also optimise existing routine maintenance and preventive measures. Through a multi-pronged approach, CLP Power is committed to maintaining a highly reliable supply in Hong Kong.”

The review covered various aspects of CLP Power’s power supply system, including resilience to the impact of external factors, arrangements for corrective and preventive maintenance, system for procurement and inspection of materials, supervision, and quality assurance standards, personnel qualification, training, and retraining requirements, safety design of power supply system, as well as restoration capability of power grid. The review also formulated recommendations on how to enhance the reliability and stability of CLP Power’s power supply system.

About CLP Power Hong Kong Limited

CLP Power Hong Kong Limited (CLP Power) is the Hong Kong utility subsidiary wholly owned by CLP Holdings Limited, a company listed on the Hong Kong Stock Exchange and one of the largest investor-owned power businesses in Asia. CLP Power operates a vertically integrated electricity supply business in Hong Kong, and provides a highly reliable supply of electricity and excellent customer services to more than six million people in its supply area.