CLP 中電 | 125



中電資料冊

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Last Update: November 2026 (Figures as at June 2026)

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To facilitate readers' navigation in the CLP Information Kit, useful links to further information available online are marked in blue text and provided with QR codes.

This Information Kit is printed on environmentally friendly paper

1 ABOUT CLP



Who We Are

- **CLP Power Hong Kong Limited** (CLP Power) is a wholly-owned subsidiary of CLP Holdings Limited. CLP Holdings Limited is a company listed on the Hong Kong Stock Exchange and is one of the largest investor-owned power businesses in Asia.

- CLP Power operates a vertically integrated power supply business in Hong Kong, covering electricity generation, transmission and distribution, and marketing and customer services.

- CLP Power has been serving Hong Kong for over 125 years. It supplies highly reliable electricity to over 80% of Hong Kong's population.

- CLP Power entered the Chinese Mainland's energy market in 1979 to provide electricity to Guangdong Province. In 1985, CLP participated in the investment of the first large-scale commercial nuclear power station in the Chinese Mainland–Daya Bay Nuclear Power Station. It was the largest signature joint venture project during the initial stage of the Chinese Mainland's Reform and Opening-up.

- In 2014, CLP Power, in collaboration with China Southern Power Grid International (HK) Co., Limited (CSG HK), a wholly-owned subsidiary of China Southern Power Grid Co., Limited, completed the acquisition of 60% interest in Castle Peak Power Company Limited (CAPCO) held by ExxonMobil Energy Limited. Separately, CLP Power also acquired ExxonMobil's 51% stake in Hong Kong Pumped Storage Development Company, Limited (PSDC). Following the acquisition, CLP Power holds 70% of CAPCO and 100% of PSDC whilst CSG HK owns the remaining 30% of CAPCO.

- To offer better services tailored to customers' needs and in the ongoing digital transformation of our business, we will continue to focus on the development of new smart services for households and businesses, as well as the use of technologies such as robotics solution, digitalisation, and data analytics to enhance our operational performance, and contribute to a greener and smarter Hong Kong. Based on our understanding of various sectors and businesses, CLP Power will continue to act as a bridge and an energy partner to connect them with start-up companies, smart products and service providers, which aim to provide innovative smart technology and energy-saving solutions to address their operational needs.

Facts and Figures (June 2026 figures)

CLP Power in Hong Kong

Year founded	▪ 1901
Supply area	▪ Kowloon, New Territories and most of the outlying islands
No. of customer accounts	▪ About 2.92 million
Population served	▪ Over 6.2 million
Installed capacity	▪ 9,464MW
Total electricity sales	▪ 35,760GWh (as of December 2025)
No. of employees	▪ 4,411
Financial performance	▪ SoC Revenue: HK$49,121 million (as of December 2025)
Regulated by	▪ HKSAR Government under the Scheme of Control Agreement

Generation Facilities

Generation Facilities	Since	Fuel Type	Generation / Purchase Capacity (MW)	Remarks
Castle Peak Power Station	1982	Coal	3,058[1]	Owned by Castle Peak Power Company Limited (CAPCO), in which CLP Power has 70% stake and China Southern Power Grid International (HK) Co., Limited has 30% stake
Black Point Power Station	1996	Natural Gas	3,850	
Penny's Bay Power Station	1992	Oil	300	
WE Station	2020	Landfill Gas	14	
Daya Bay Nuclear Power Station	1994	Nuclear	1,642[2]	Owned by Guangdong Nuclear Power Joint Venture Company, Limited, in which CLP has 25% stake
Guangzhou Pumped Storage Power Station	1993	Hydro	600	By holding 100% of the shares in the Hong Kong Pumped Storage Development Company Limited, CLP has the right of use of 600MW, which is 50% of the power generation capacity of Phase 1 of Guangzhou Pumped Storage Power Station


Castle Peak Power Station


Black Point Power Station


Penny's Bay Power Station

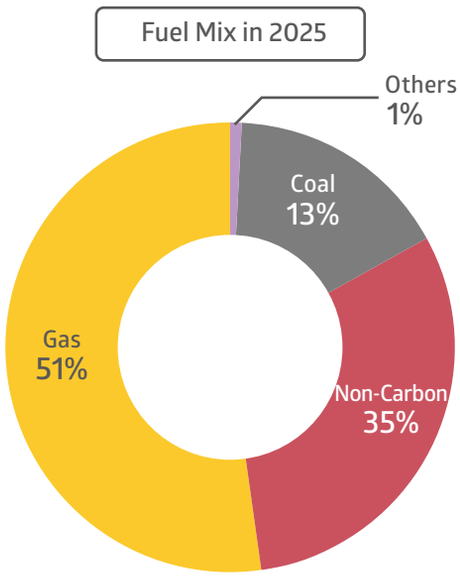

WE Station


Daya Bay Nuclear Power Station


Guangzhou Pumped Storage Power Station

1 Three coal-fired units at Castle Peak A Power Station (total 1,050MW) were retired by mid-2024.

2 CLP Power purchases 70% of the output from Daya Bay Nuclear Power Station. Starting from late 2014, CLP Power has increased the purchase of approximately 10% of additional nuclear power from Daya Bay.

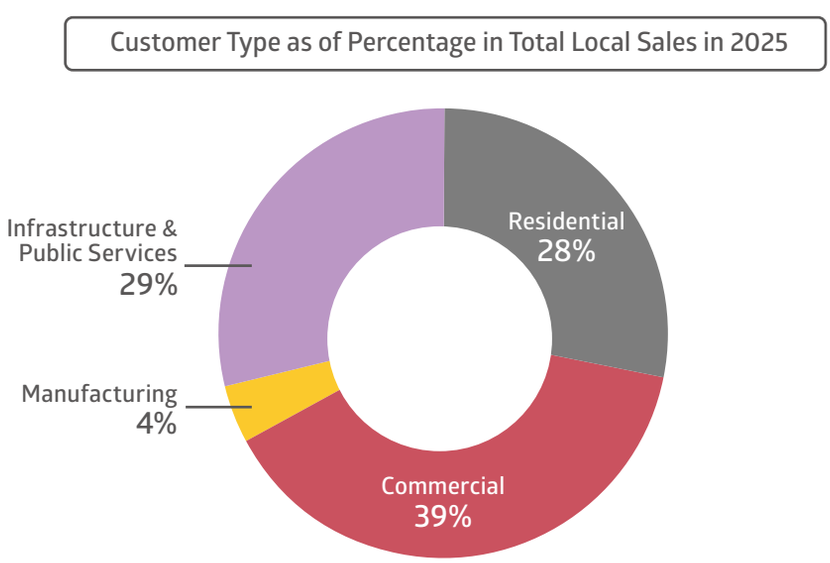


Non-Carbon include energy from power sources that add no extra carbon to the atmosphere, such as nuclear, solar etc. Others include oil and energy from waste.

Transmission and Distribution (June 2026 figures)

No. of primary substations	262
No. of secondary substations	Over 16,000
Transmission and high voltage distribution lines	Over 17,500km
Average network loss (2021-2025)	3.30% of total energy consumption
Average unplanned Customers Minutes Lost per year (2023-2025)	1.8 minutes (1.1 minutes if excluding Super Typhoon Saola in 2023, Typhoons Wipha & Super Typhoon Ragasa in 2025)
Electricity supply reliability	99.999%

Our Customers

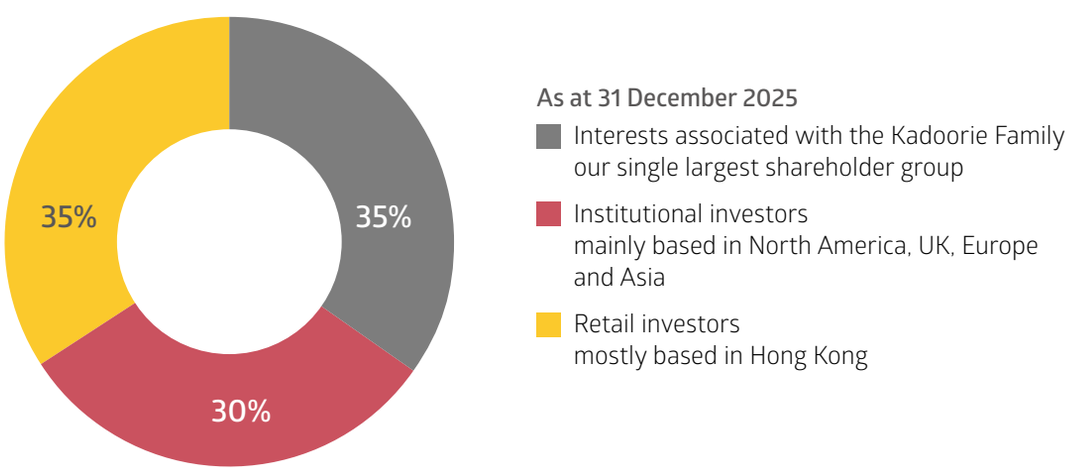




Our Shareholders

- CLP Holdings Limited had more than 16,700 registered shareholders at the end of 2025. The actual number of investors is much greater, taking into account those people and organisations who have an indirect interest in our shares through intermediaries such as banks, brokers, custodians, nominees or the Central Clearing and Settlement System of Hong Kong.

Shareholding by Category (2025)







- The Kadoorie Family became a shareholder in 1928 and participated in the Company's policy making. In guiding CLP forward, the Kadoorie Family follows the traditional values of previous generations, which include being forward-looking, financially prudent, showing integrity in business dealings, and having a sense of obligation to society. The Kadoorie Family is also engaged in a host of civic and philanthropic activities which benefit people across the city.

- Shareholder value is delivered through the maintenance of a stable dividend stream.

- CLP attaches great importance to effective communications with shareholders through various channels. Our Annual General Meeting (AGM) is well-attended by high number of shareholders each year. The 2026 AGM of CLP Holdings was held in a hybrid format, with more than 1,000 shareholders attended in person or online. Shareholders who joined the AGM online were able to view a live webcast of the AGM, pose questions and cast votes in near real-time through the online platform.

- Our Shareholders' Visit Programme, unique amongst Hong Kong companies, welcomed over 44,600 shareholders and their guests to various CLP facilities since the programme was initiated in 2003, e.g. CLP Pulse, CLP Power Low Carbon Energy Education Centre and Black Point Power Station.

2 SCHEME OF CONTROL AGREEMENT

What is the Scheme of Control Agreement (SCA)?

- CLP's electricity business in Hong Kong is regulated by the Hong Kong SAR Government under the **Scheme of Control Agreement** (SCA).
- The SCA is an agreement signed between the Hong Kong SAR Government and CLP Power / Castle Peak Power Company Limited (CAPCO). It defines the companies' role as an electricity provider, and provides a regulatory framework for the Government to monitor its operating performance and financial affairs.
- Under the regulatory regime, power companies have obligations to provide sufficient and reliable electricity supply in their service areas. Customers obtain quality electricity supply at a reasonable price and in an environmentally responsible manner, while the power companies earn a return which is reasonable in relation to the risks involved and the capital invested.
- The SCA also provides an effective and stringent regulatory framework for the Government to monitor power companies' operating and financial performance. Operating performance covers supply reliability, operational efficiency, customer services and energy efficiency. Financial performance covers power companies' capital investment, operating expenditure, permitted rate of return and tariff adjustment.
- The first SCA was signed between CLP and the Government in 1964. Since then, a 15-year term has been adopted in all the agreements except the fourth one that came into effect in October 2008. The duration of the agreement was 10 years with an option for the Government to extend the SCA for another five years. In April 2017, CLP signed a new SCA with the Government, effective from 1 October 2018 to 31 December 2033.
- Over the years, the terms in the SCAs have evolved to reflect continuous refinements made to the regulatory framework in enhancing operational efficiency and service quality, promoting energy-saving and improving environmental performance, increasing information transparency and economic and environmental benefits to customers.

Key Terms Related to Tariff under SCA

Key Term	What is it?
Basic Tariff	It is set at a level to cover the total costs of electricity supply, including operating cost, standard cost of fuels and SCA return. (See also Chapter 3 on **Electricity Tariff**)
Fuel Cost Adjustment	▪ Fuel Cost Adjustment is either a charge or rebate to cover the difference between the actual cost of fuels spent and the standard cost of fuel collected through the Basic Tariff.
Fuel Clause Recovery Account	▪ The Account through which the difference between the standard cost of fuel and the actual cost of fuel is captured and passed onto the customers by way of rebates or charges.
Tariff Stabilisation Fund (TSF)	▪ The TSF aims to ameliorate tariff increases or stabilise tariff levels. ▪ If the gross tariff revenues collected exceed or are less than the total revenue required, the amount will be added to, or deducted from, the TSF.
Permitted Rate of Return	▪ Power companies are permitted to earn a fixed rate of return of the total value of their average net fixed assets. The permitted rate of return under the current SCA is 8%.

1 Results of 2023 Interim Review of SCA.

Regulatory Process

- Government monitoring of the power companies under the SCA covers the following: Development Plan Review, Annual Tariff Review, Annual Auditing Review and Interim Review.

Development Plan Review	▪ CLP submits to the Government a detailed five-year plan to meet electricity demand for the development of Hong Kong. The plan, approved by the Executive Council, covers the required capital expenditure, operating and fuel costs, projected electricity sales and basic tariff rate. ▪ It is required whenever the current Development Plan is about to expire or major capital expenditure is planned.
Annual Tariff Review	▪ CLP submits to the Government a tariff proposal for the coming year before the end of October each year. The proposal includes: total capital expenditure, total operating expenditure, cost of fuels, electricity sales, maximum demand forecast and projected basic tariff rate, etc. ▪ Any proposal to increase the Basic Tariff by more than 5% above the level approved in the Development Plan will require further approval by the Executive Council. ▪ The adjusted tariff will be effective from 1 January of the following year after the Government's review.
Annual Auditing Review	▪ CLP submits detailed information to the Government before the end of March every year for auditing and reviewing the Company's financial, technical and environmental performance for the preceding financial year.
Interim Review	▪ A review is conducted every five years of the SCA on SCA-related matters. Changes can be made by mutual agreement by the Companies and the Government.

Current SCA (2018–2033)

- The current SCA, which balances the needs of different stakeholders, is an agreement achieved through the joint efforts of both the Government and power companies. Taking into consideration of the Government's long-term carbon reduction target for 2030 which requires gradual transition to a generation fuel mix composed mainly of natural gas, the 15-year agreement provides a clear and certain regulatory framework for the future development of the electricity industry in Hong Kong. It also enables power companies to plan ahead and make appropriate investments to meet the Government's energy policy objectives.

- The incentive and penalty mechanism of the previous agreement continues to apply, but with more stringent performance targets on supply reliability and customer services. Performance targets on supply restoration are introduced to enhance service levels. Besides, a new penalty scheme for large-scale electricity supply interruption[1] is introduced to complement the existing mechanism and encourage power companies to further enhance their reliability performance.

- In support of the Government's environmental policies to address climate change, a series of initiatives have been introduced to further promote energy efficiency and energy conservation, as well as support the development of renewable energy. These include the Feed-in Tariff (FiT) Scheme, Renewable Energy Certificates, CLP Eco Building Fund, Community Energy Saving Fund and energy audits, together with enhanced public education efforts to help customers manage electricity demand and improve energy efficiency.

- The Fuel Cost Adjustment (FCA) in the total tariff is revised more frequently from once a year to once a month under the SCA to reflect changes in fuel prices in a more timely way and with enhanced transparency.

- In 2023, the Government, CLP Power and CAPCO conducted the Interim Review of the SCA and reached agreement on the incentive and penalty mechanism, special tariff relief in the event of energy crisis and improvements to information transparency.

- Link to reference information:
  Scheme of Control Agreement (2018–2033)

1 Results of 2023 Interim Review of SCA.

Areas of Refinement	Current SCA (2018–2033)
Permitted Rate of Return	▪ 8% on Average Net Fixed Assets ▪ The same return rate applies to assets of both renewable and non-renewable energies
Tariff Adjustment	▪ The annual tariff adjustment mechanism is maintained. The Fuel Cost Adjustment (FCA) in the total tariff is revised more frequently from once a year to once a month
Incentives / Penalties on a number of performance categories	**Operational Performances** ▪ More stringent performance targets for the incentive and penalty mechanism, including introducing performance targets on supply restoration and a new penalty scheme for large-scale electricity supply interruption[1] **Energy Saving and Demand Side Management** ▪ Performance targets for Energy Audit and energy saved from the initiatives under the current SCA are set at about four times the previous targets ▪ Peak Demand Management programmes are offered to commercial and industrial customers in order to lower the overall system demand, resulting in a lower requirement for investments in new generation units in the long-term. The target for this initiative is to achieve a reduction of up to 60MW from the demand peak ▪ A new five-year energy-saving target has been set. CLP must achieve at least 4% of energy-saving on the basis of the average annual sales within a five-year period in order to earn the incentive. More incentives will be given if the said energy-saving reaches 5% **RE incentives will be given if:** ▪ the ratio of RE in the local generation fuel mix achieves the target set (RE generated from projects directly owned by the Government is excluded) ▪ the annual target of new RE connections to the grid is met ▪ CLP sells RE Certificates

1 Results of 2023 Interim Review of SCA.

Areas of Refinement	Current SCA (2018–2033)
Environmental Initiatives	▪ An Eco Building Fund to promote energy-saving for buildings has been set up. Incentive target set for this initiative is to provide subsidies to 400 residential blocks and commercial and industrial buildings per year to carry out improvement work to enhance the energy efficiency of the communal areas of the buildings. The energy-saving target is set at 48GWh per year ▪ CLP is entitled to 35% of the incentives in relation to Energy Audit, energy saved from these audits and promoting energy-saving for buildings, while the remaining 65% will be allocated to the CLP Community Energy Saving Fund to enhance energy efficiency ▪ The CLP Public Education Fund has been increased from HK$5 million to HK$10 million a year
Support RE Development	▪ Introduce FiT Scheme to encourage the development in the community. By connecting the systems to CLP's power grid, CLP will pay for electricity generated by these systems at a rate offered through the scheme ▪ Introduce RE Certificates Scheme to allow customers who prefer clean energy and offer different platforms for the community to participate in RE development
Others	▪ If there is excessive capacity when an additional generation unit is commissioned, 100% of the net asset value of the mechanical and electrical equipment of the said unit will be deducted from the fixed assets and the permitted return calculation ▪ Introduce a new Special Tariff Relief Mechanism in the event of energy crisis[1] ▪ More information such as information related to fuel costs and fuel procurement, operating expenses and borrowing arrangements will be published to improve information transparency

1 Results of 2023 Interim Review of SCA.

CLP's Current Five-year Development Plan (2024-2028)

- Approved by the Executive Council, the second five-year Development Plan under the current SCA covers the period from January 2024 to December 2028. The projected capital investment for the period is HK$52.9 billion, HK$3.2 billion less than the investment of $56.1 billion in the previous five years and three months of the 2018 Development Plan.

- In the next few years, the HKSAR Government will develop new areas of economic growth to better integrate and serve our nation's development while reinforcing Hong Kong's distinctive advantages as a global city. CLP's Development Plan fully supports the Government's policy priorities and covers a wide range of investments, with the majority on network development, to underpin Hong Kong's accelerating economic and infrastructural development, continued delivery of a world-class reliable electricity supply, the transition to a smart and resilient city, and continuation of the decarbonisation journey.

- Whilst maintaining a world-class electricity supply reliability, CLP's supply networks will also be expanded and reinforced to ensure adequate and reliable electricity supply to meet our customers' demand in a timely manner. As extreme weather poses threats to supply reliability, the Development Plan will also allocate resources to strengthen the resilience of our power supply facilities.

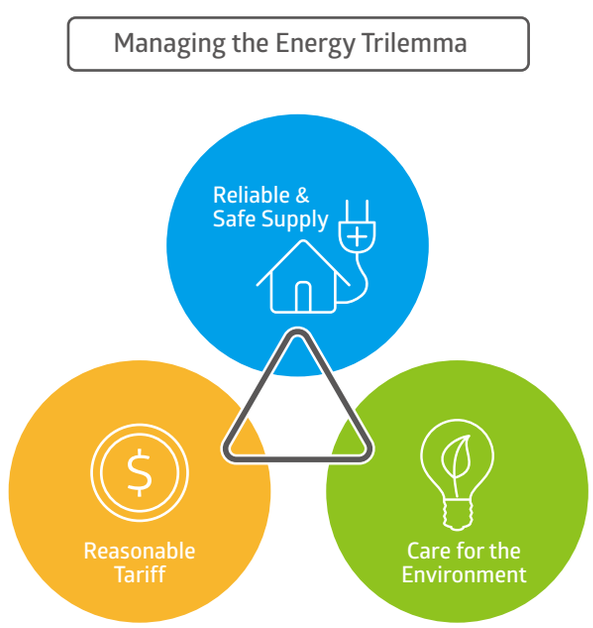
- Supporting Hong Kong to reach carbon neutrality is a long-term energy transition process. CLP has completed a number of major projects, including the commissioning of the second gas-fired generation unit at the Black Point Power Station in 2024, the full rollout of smart meters in 2025, and the completion of capacity enhancement works for the Clean Energy Transmission System in 2026.

- In the future, CLP will continue to take forward the hydrogen-blended natural gas electricity generation trial project, develop a grid-scale battery system, and support the development of charging infrastructure for electric vehicles.

- CLP will also phase out coal-fired generation and increase the supply of zero-carbon energy to support Hong Kong's low-carbon transition.

CLP's Performance under the SCA

- A **stable and long-term regulatory regime** can provide an effective mechanism to address the electricity industry's requirements for long-term and capital-intensive infrastructural investments.
- The SCA is recognised as a balanced and effective regulatory regime that has served Hong Kong well. Such a regime has supported CLP in delivering an electricity service that meets all four energy policy objectives — supply is safe and very reliable, environmental performance is improving and tariffs are reasonable. The SCA enables CLP to contribute to Hong Kong's long-term development and to play a role in enhancing Hong Kong's competitiveness and sustainable growth.
- The challenge for the electricity industry comes from the **Energy Trilemma** — how to deliver a safe and reliable supply to acceptable environmental standards whilst containing tariff adjustment at reasonable levels. With the SCA, the electricity industry of Hong Kong has been able to strike a balance in managing the energy trilemma.



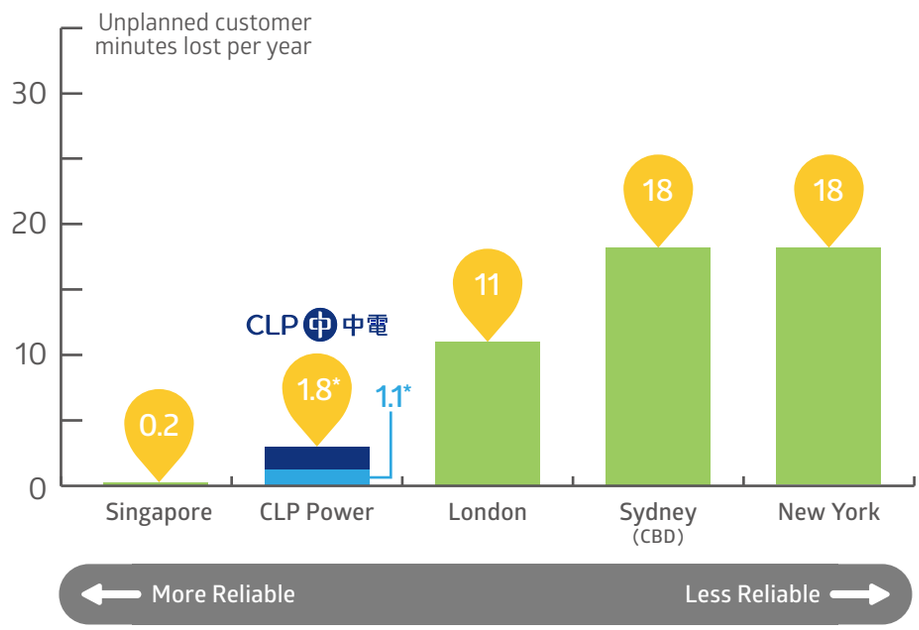
The **Energy Trilemma** is initiated by the World Energy Council, which advocates that different economies should strike a balance among the three objectives for energy development.

Reliable and Safe Supply

- As an international financial and innovation and technology hub, Hong Kong's competitiveness is underpinned by safe and reliable electricity services. It is also a key consideration for many companies establishing their businesses in the city.
- Under the SCA, **CLP provides a world-class supply reliability of 99.999%.**

- Between 2023 and 2025, a CLP customer experienced an average of 1.8 minutes of unplanned power interruptions per year, or 1.1 minutes per year excluding the impact of Super Typhoon Saola in 2023, Typhoon Wipha and Super Typhoon Ragasa in 2025. This compares to the 2022 to 2024 average of 0.2 minutes for Singapore, 11 minutes for London , 18 minutes for Sydney CBD, and 18 minutes for New York.
- Highly reliable electricity supply has been instrumental in maintaining Hong Kong's status as a world-class city, and in powering the long-term social and economic development of Hong Kong.

Reliability Levels in Major Metropolitan Cities



Notes:

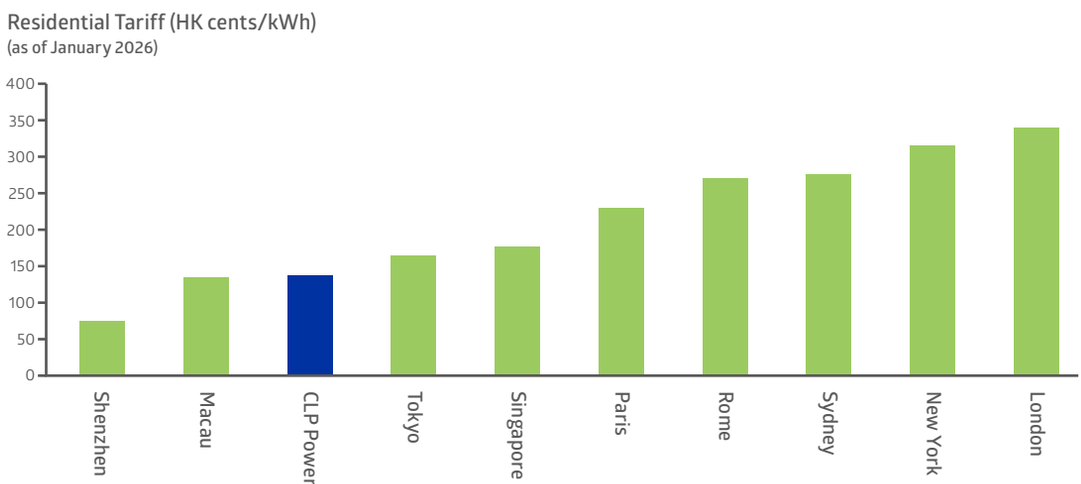
1. *2023-2025 average for CLP Power was 1.8 minutes; Excluding the impact of Major Event Day (such as Super Typhoon Saola in 2023, Typhoon Wipha and Super Typhoon Ragasa in 2025), the three-year average was 1.1 minutes.
2. 2022-2024 average for all other cities.
3. There are no overhead lines in Singapore.

- See also Chapter 4 on **Reliable Electricity Supply**.

Reasonable Tariff

- **CLP's tariffs are highly competitive in comparison with those in many international cities.** In January 2026, our average tariff for residential customers in CLP's service areas is HK$1.38/kWh while tariffs in Tokyo and Singapore are about 20% and 30% higher than those of CLP respectively, while tariffs in Sydney, London and New York are more than double.

Residential Tariff Comparison with Other Cities



Notes:

1. Comparison based on monthly domestic consumption of 275kWh.
2. Tariff and exchange rate in January 2026.

Source: Web

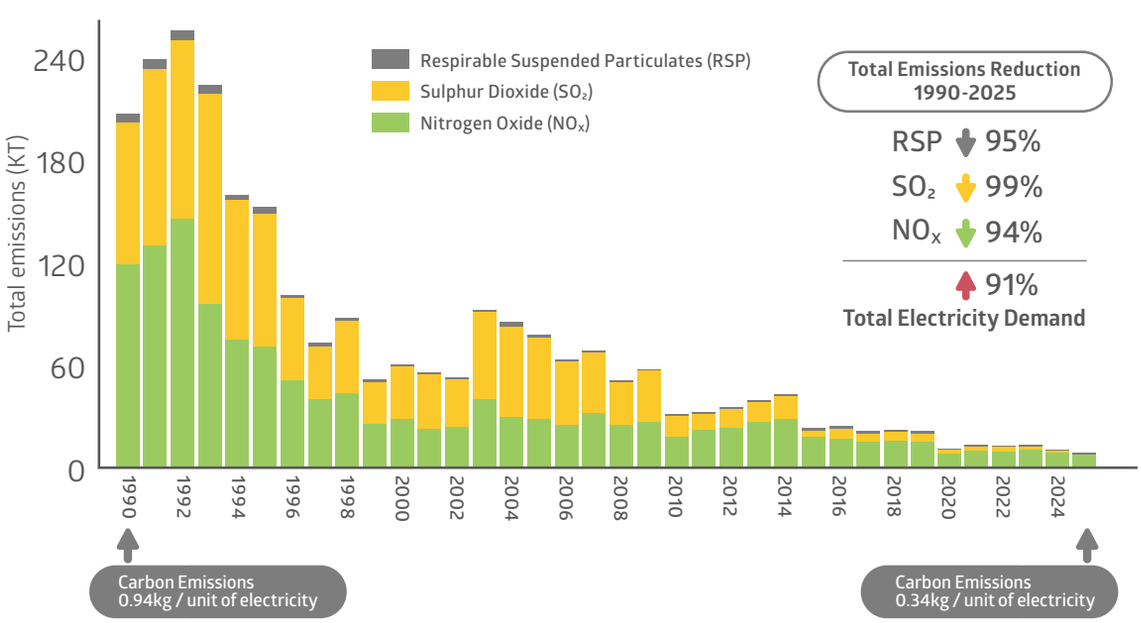
- In Hong Kong, electricity expenses account for 1.6% of total household expenditure, placing the city among the most affordable major cities in terms of household electricity expenditure.

- CLP is committed to providing reliable and low-carbon electricity services. We strive to maintain tariffs at a reasonable level by adopting prudent cost control, a diversified fuel mix and utilising innovative technologies.

- See also Chapter 3 on Electricity Tariff.

Care for the Environment

- Over the years, CLP has been supporting the community's expectations for **better air quality and a reduction in greenhouse gas emissions** by deploying the best practical technologies and operational excellence, and through changes to our fuel mix.
- Our **emissions control measures** – including installation of emissions control facilities – helped improve Hong Kong's emissions performance substantially.
- **Managing our fuel mix** is also a key contributor to resolving the issues of climate change. CLP has made sustained efforts in improving the environment through the use of natural gas, nuclear, renewable energy and low sulphur coal. We started to import nuclear energy from Daya Bay Nuclear Power Station in 1994. In 1996, we pioneered the use of natural gas for power generation in Hong Kong. We launched the Feed-in Tariff Scheme in 2018 to encourage local renewable energy development. In 2020, the landfill gas generation project at the West New Territories (WENT) Landfill started operation to utilise landfill gas produced locally as fuel.
- The Hong Kong offshore liquefied natural gas (LNG) terminal, jointly developed by CLP and The Hongkong Electric Co., Ltd. (HK Electric) has gone into operation in 2023. It enables Hong Kong to further increase the diversity and security of supply and to access competitive supplies from the global LNG market over the long term.
- **CLP's emissions have reduced over 90% since 1990 while electricity demand has grown by more than 90% during the same period.**
- CLP is also committed to **energy efficiency and conservation**. A wide range of tools and programmes have been developed to provide practical assistance to both residential and commercial and industrial customers to achieve energy-saving and change their behaviours of electricity consumption.



- We also conduct **energy audits** for commercial and industrial customers. CLP's professional engineers are assigned to conduct detailed analysis of energy usage and energy efficiency at customers' premises. Professional reports and practical advice are provided after evaluation which greatly enhance customers' awareness of energy conservation.

- **Concerted efforts from all sectors in the community** and a change of the public's lifestyle and habits are required to effectively conduct energy efficiency and conservation work.

- See also Chapter 7 on **Energy Management**.

3 ELECTRICITY TARIFF

CLP Tariff Components

- CLP's tariff is made up of two major components:

1. Basic Tariff	▪ It is set at a level to cover the total costs of electricity supply, including operating cost, standard cost of fuels and SCA return
2. Fuel Cost Adjustment	▪ It is either a charge or rebate to cover the difference between the actual cost of fuels spent and the standard cost of fuel collected through the Basic Tariff

- At-a-glance table of CLP's tariff in the past four years:

Tariff Component (cents/kWh)	2023	2024	2025	2026
Basic Tariff	93.7	96.6	98.0	101.2
Fuel Cost Adjustment	62.0	46.3	46.3	39.4
Total Tariff	**155.7**	**142.9**	**144.3**	**140.6**
Rent and Rates Special Rebate[1]	-1.3	-	-	-
Net Tariff	**154.4**	**142.9**	**144.3**	**140.6**

- We will continue to closely monitor market developments, exercise prudent cost control, adopt a diversified fuel mix and utilise innovative technologies to maintain tariffs at a reasonable level.

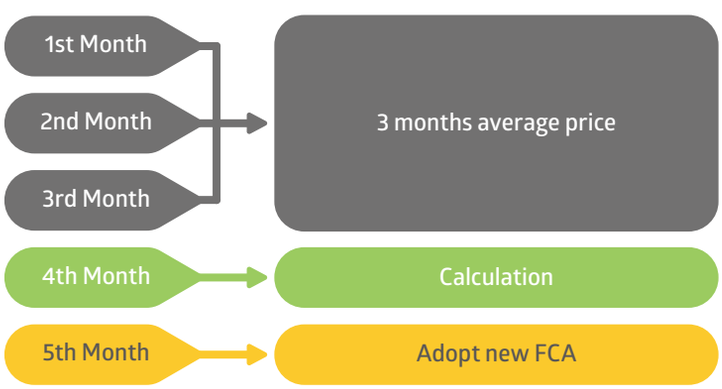
1 Since the Government refunds of overcharged rents and rates received by CLP were fully rebated to customers by 28 April 2023, the Rent and Rates Special Rebate was discontinued from 29 April 2023.

Annual Tariff Review

- CLP submits to the Government a tariff proposal for the coming year before the end of October every year. The proposal includes sales and maximum demand forecasts, total capital expenditure, total operating expenditure, cost of fuels and projected basic tariff rate, etc.
- The basic tariff rate agreed with the Government will be implemented on 1 January of the following year.

Monthly Fuel Cost Adjustment

- Under the current SCA, the Fuel Cost Adjustment (FCA) is automatically adjusted on a monthly basis to reflect changes in actual price of fuel used. This arrangement is more transparent and reflects fuel price changes in a more timely manner. It also helps smoothening out short term fluctuations in case of market volatility.
- The monthly FCA is calculated based on the average actual fuel prices over three preceding months as compared with the fuel prices projected at the most recent tariff review. The revised FCA will be applied the following month after a process of data collection and verification. The monthly FCA is published on CLP Power website and electricity bills.



- Links to reference information:
  - Fuel Cost Adjustment
  - Explanatory Note for Fuel Cost Adjustment
  - 2026 Tariff Review Presentation

Tariff Structure

- CLP has four tariff categories, namely:

  1. **Residential Tariff** (Residential customers)
  2. **Non-Residential Tariff** (Small and medium enterprises customers)
  3. **Bulk Tariff** (Large businesses and public services with monthly consumption not less than 20,000 units)
  4. **Large Power Tariff** (Large businesses and public services with monthly demand not less than 3,000kVA)

- CLP's tariff structure is designed to be fair and cost reflective for each tariff group of customers, and it therefore avoids cross-subsidies between the customer groups.

- The cost of electricity supply to each tariff group takes into account the investment and resources needed to supply them and the efficiency with which these resources are used. In general, fixed operating costs like metering, billing and customer services are lower per unit for higher-consuming customers.

- For **Residential Tariff**, an inclining block structure is applied. Under this structure, there are seven blocks with different rates. Higher consumption is charged at a progressively higher unit rate. This encourages the efficient use of energy by residential customers. The lower blocks provide protection for residential customers with lower household incomes and encourage energy-saving. Inclining tariff structures for residential customers are common in many cities world-wide.

- Unlike Residential Tariff customers, inclining tariff structures for businesses and public services are uncommon in other cities in the world.

- A fixed rate is applied for **Non-Residential Tariff**. Customers are charged according to their consumption. High consumption customers under **Bulk Tariff** and **Large Power Tariff** categories have a declining tariff structure of two blocks. They have two tariff features:

  - They have to pay a Demand Charge in addition to the cost of the energy units they consume. The Demand Charge reflects the capacity of the supply customers draw from CLP's network based on their maximum energy demand.

  - In addition, under a Time-of-Use tariff feature, they also pay a premium for energy used at peak times but are able to reduce costs if they can move this to off-peak periods. This facilitates demand side management and better utilisation of power generation facilities.

- As electric vehicles become increasingly popular, CLP launched an **Electric Vehicle Residential Time of Use Tariff** in May 2025. This EV tariff plan provides the participating residential customers with flexible options for EV charging. Customers can enjoy a discounted energy charge during "Off-peak Period" which helps enhance resource utilisation of the power grid and reduce peak load.

- With the launch of Electric Vehicle Residential Time of Use Tariff, the existing fixed-rate tariff for EV charging was renamed **Electric Vehicle Tariff** for identification purposes.

- At-a-glance table of CLP's tariff structure:

Tariff Categories	Customer Type	Basic Tariff	
		Energy Charge	Demand Charge
Residential Tariff	Residential customers	✓ With 7 inclining blocks	
Non-Residential Tariff	Small and medium enterprises customers	✓ Uniform rate	
Bulk Tariff	Large businesses and public services with monthly consumption not less than 20,000 units	✓ With Time-of-Use feature	✓ With Time-of-Use feature
Large Power Tariff	Large businesses and public services with monthly demand not less than 3,000kVA	✓ With Time-of-Use feature	✓ With Time-of-Use feature
Electric Vehicle Tariff	Electric vehicle customers	✓ Uniform rate	
Electric Vehicle Residential Time of Use Tariff*	Electric vehicle customers at residential buildings	✓ With Time-of-Use feature	

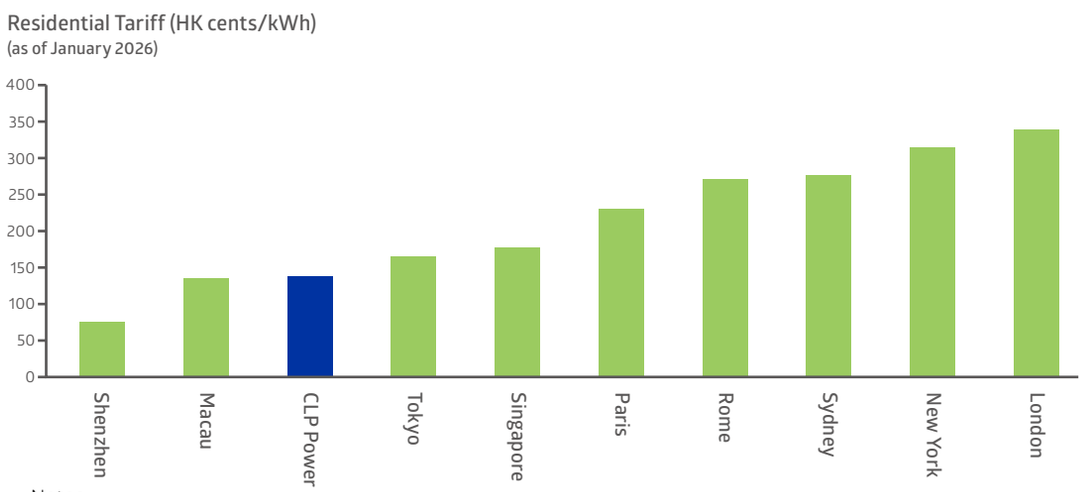
*Customers may opt to apply this plan

- Link to reference information:
  CLP Tariff Table 2026

Tariff and Fuel Costs Challenge

- **Compared to other key metropolitan cities in the world, CLP's tariff is highly competitive**. Cities with lower tariffs than CLP are mostly characterised by having government subsidies, being state-owned power companies, or having relatively abundant natural resources to support power generation.

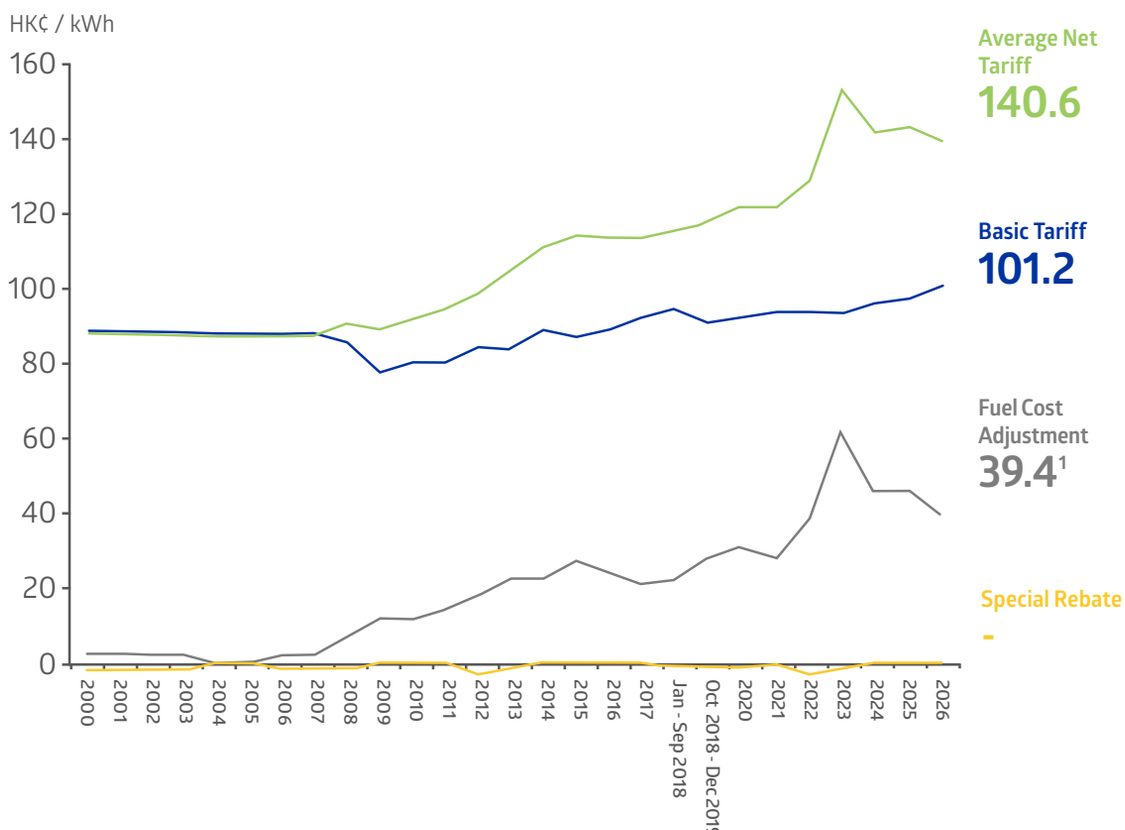
Residential Tariff Comparison with Other Cities



Notes:
1. Comparison based on monthly domestic consumption of 275kWh.
2. Tariff and exchange rate in January 2026.

Source: Web

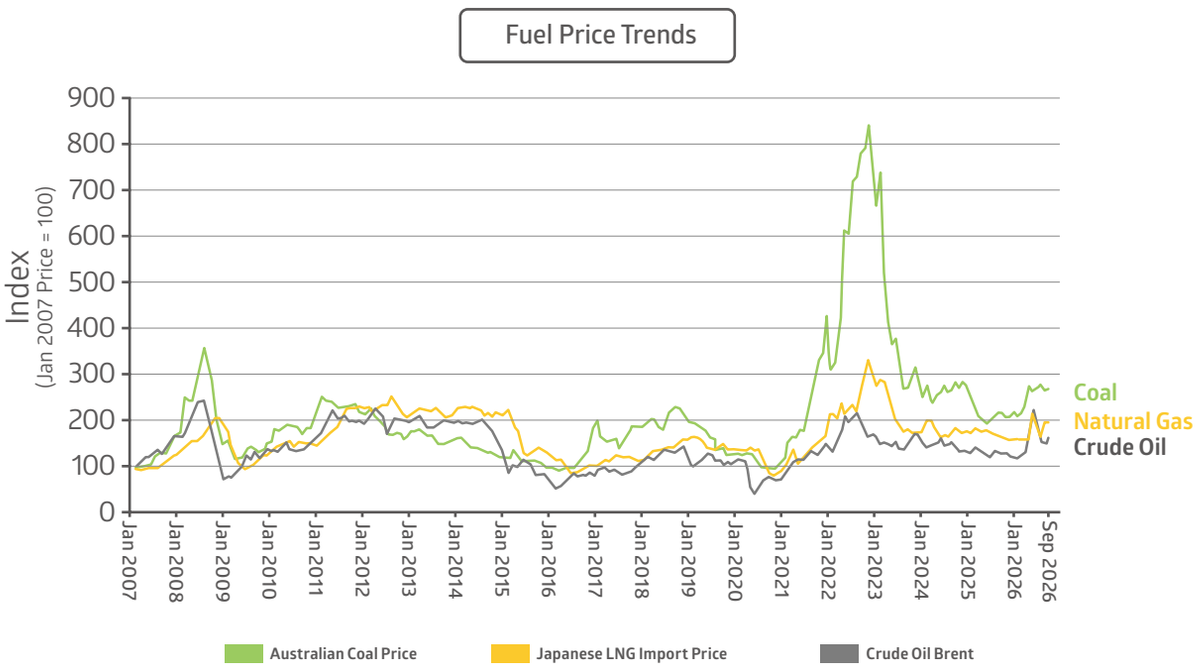
- CLP has for many years adopted a **diversified fuel mix** comprising more natural gas, less coal, importing zero-emission nuclear power, and renewable energy to ensure the reliability of electricity supply at a reasonable cost.
- In support of the Government's environmental policy, the proportion of natural gas has increased to over 50% in CLP's generation fuel mix. To support the goal of achieving carbon neutrality before 2050, CLP will continue to gradually replace coal-fired generation units with gas-fired generation units and zero-carbon energy sources.
- Currently, nuclear energy from Daya Bay meets about a quarter of the city's electricity needs, accounting to a significant percentage in Hong Kong's diversified fuel mix. Nuclear, which is non-carbon emitting and relatively stable in price compared to coal or natural gas, plays an important role to help smooth out fuel cost increases and stabilise tariff levels amid market volatility.
- Volatility in international fuel prices has been a key driver for CLP's total tariff adjustments over the past few years.



Notes:

1. The figure is based on the rate announced in the annual tariff review.

- The following chart shows the volatility of fuel prices since 2007.



Source: World Bank

- CLP has taken additional steps to ensure the diversity and security of gas supply. Apart from sourcing liquefied natural gas (LNG) from the global market, CLP has been drawing on various gas sources from the Chinese Mainland, including the Hainan gas fields and the Second West-East Gas Pipeline.
- To enhance tariff information transparency, CLP has been providing information related to **fuel mix** on our website. The published information enables our customers to better understand CLP's fuel mix and the latest fuel cost adjustment.

Alleviating Tariff Pressure

- The SCA has **mechanisms to stabilise tariff**. It sets out a role for two balancing funds — the Tariff Stabilisation Fund and the Fuel Clause Recovery Account, which are designed to act to smooth out volatility in adjusting the Basic Tariff and the Fuel Cost Adjustment respectively.

- CLP tries its very best to alleviate the pressure of rising tariffs through **prudent cost management and control**, as well as supporting customers with practical assistance and advice in both energy-saving and reducing bills.

- The ongoing geopolitical tensions have affected global energy supply and fuel costs. To help ease the financial burden of households, CLP launched a three-month special fuel rebate. From August to October 2026, residential customers with electricity consumption of 900 units or below per bill were eligible to benefit from a rebate of 8 cents per unit of electricity.

- CLP has provided an **Energy Saving Rebate Scheme** for low-consumption residential and small and medium enterprises customers since 2013 to help them reduce electricity expenses and encourage energy-saving. Under the scheme, customers consuming 400 units or less per bill can enjoy savings in their electricity bills.

- CLP also offers a **Concessionary Tariff for the Elderly**. Customers aged 60 or above who live alone or with other similarly qualified elderly, and those who are relying on or entitled to Comprehensive Social Security Assistance are eligible for the concessionary tariff. The approved applicant will be offered a 50% reduction for the first 400 units of electricity consumed in each two-month billing period plus an exemption of the minimum charge on each bill.

- Under the current SCA, a **CLP Community Energy Saving Fund** has been set up and begun operations in 2019. Under this fund, one of the initiatives being launched is **CLP Power Connect programme**, which aims to encourage residential customers to save energy year-round. In 2026, CLP is allocating HK$50 million from the Fund to provide electricity subsidies to 20,000 subdivided unit tenants and 50,000 households in need a year, including the elderly, disabled and low income families.

- Link to reference information:
  - **Special Fuel Rebate**

- See also Chapter 7 on **Energy Management** and Chapter 10 on **Community Commitment**.

4 RELIABLE ELECTRICITY SUPPLY

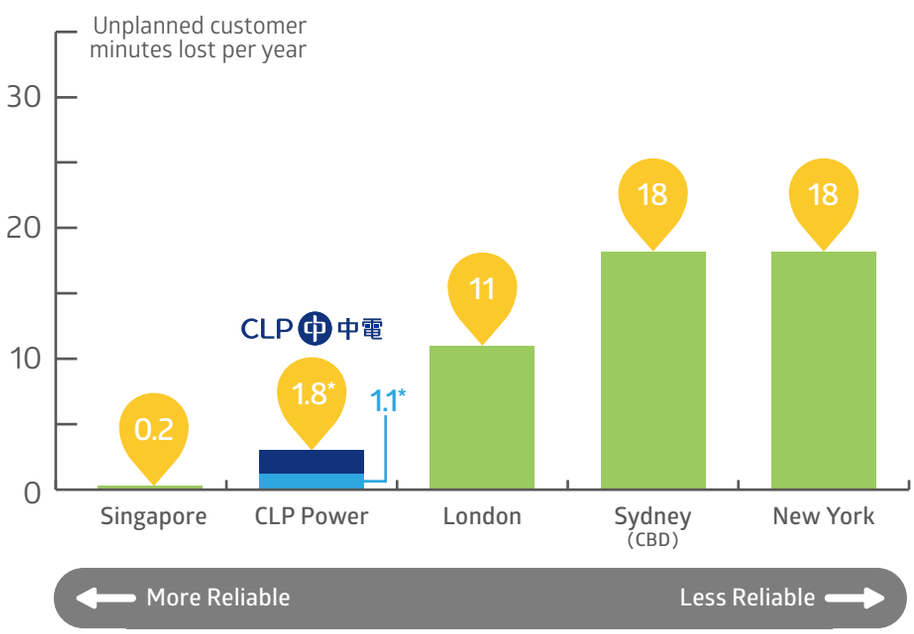
Reliable Power Supply Strengthens Hong Kong's Competitiveness

- As an international financial, and innovation and technology hub, Hong Kong's competitiveness is underpinned by **reliable and safe power supply**. It is also a key consideration for organisations establishing their businesses here.
- With a high population density and one of the world's highest number of skyscrapers, together with a railway system carried about 5.71 million passengers daily, Hong Kong depends on a world-class reliable power supply to ensure its smooth operation.

CLP's Supply Reliability

- CLP provides reliable and safe electricity supply in Hong Kong at a **world-class reliability of 99.999%.**
- Between 2023 and 2025, a CLP customer experienced an average of 1.8 minutes of unplanned power interruption per year. Excluding the impact of Major Event Day (such as Super Typhoon Saola in 2023, Typhoon Wipha and Super Typhoon Ragasa in 2025), the three-year average was 1.1 minutes. This compares to the 2022 to 2024 average of 0.2 minutes for Singapore, 11 minutes for London, 18 minutes for Sydney CBD and New York.

Reliability Levels in Major Metropolitan Cities



Notes:

1. *2023-2025 average for CLP Power was 1.8 minutes; Excluding the impact of Major Event Day (such as Super Typhoon Saola in 2023, Typhoon Wipha and Super Typhoon Ragasa in 2025), the three-year average was 1.1 minutes.
2. 2022-2024 average for all other cities.
3. There are no overhead lines in Singapore.

Maintaining World-Class Supply Reliability

- CLP's high supply reliability cannot be taken for granted. It is the result of our power expertise, and long-term commitment to generation, network and operational excellence. The following areas demonstrate CLP's ongoing efforts to uphold its world-class supply reliability.

Sufficient Generation Capacity

- Reserve capacity is essential to cater for any loss of generation capacity due to planned maintenance and unforeseen outages even at peak load. Reserve margin is similar to keeping a spare tyre in a car, which is crucial for contingency management.

- CLP sets the level of reserve margin by making reference to the maximum electricity demand as one of the most important indicators for planning and operations. This is in line with the practices adopted in the electricity industry all over the world.

- To ensure top service quality and reliability, CLP's **reserve margin is maintained at an appropriate level** and is within the recommended range of 20% to 35% by the International Energy Agency.

Facilities and Network Upgrades to Address New Demand

- Hong Kong is undergoing energy transition alongside structural economic changes. The development of the Northern Metropolis, the growth of Artificial Intelligence Supercomputing Centre, the establishment of new industrial and innovation parks, as well as the accelerating electrification of transport and buildings – together with ongoing decarbonisation efforts – are all driving a rapid rise in electricity demand in Hong Kong.

- These developments are closely linked to Hong Kong's long-term social and economic growth. A safe and reliable electricity supply is essential to their successful implementation. To address the challenges arising from increasing electricity demand while maintaining supply reliability, CLP continues to **enhance our generation and network infrastructure**.

- For our **generation facilities**, in response to the Government's plan to increase the proportion of local gas-fired generation to around 50% of the total fuel mix in 2020 and to ensure a reliable power supply, the two new gas-fired generation units (Units D1 and D2) at Black Point Power Station were commissioned in 2020 and 2024 respectively. The new units deploy the combined cycle gas turbine (CCGT) technology with more advanced design and are capable of achieving an efficiency rate of around 60%, making them two of the most efficient gas-fired generation units in the world. Units D1 and D2 also play a key role in facilitating the decarbonisation of Hong Kong's power supply and supporting the gradual retirement of coal-fired generation units at Castle Peak A Power Station.

- To enhance the overall performance of our generation units, we continue to optimise existing facilities, advance equipment replacement and refurbishment programmes to ensure our generation capacity meets increasing electricity demand. For example, in 2022, we completed turbine upgrades for eight gas-fired generation units at Black Point Power Station. Each unit increased its generation capacity by 25MW (8%), enhancing efficiency while reducing nitrogen oxides emissions.

- On **power systems**, reinforcement of our supply networks are crucial to ensure adequate and reliable electricity supply. These will include continuous improvements and extensions of our transmission and distribution facilities to meet new demand, connect more renewable energy systems, and ensure safe and reliable delivery of supply to customers and minimise the interference due to external factors.

Full Support for Northern Metropolis Development

- The Northern Metropolis (NM) is a new engine for developing new quality productive forces in Hong Kong, as well as the main platform for the city to deepen its participation in the development of the Guangdong-Hong Kong-Macao Greater Bay Area (GBA) and better integrate into and serve the country's overall development.

- Energy infrastructure is the prerequisite for high-quality development in the NM. CLP has established a robust backbone grid in the area to support the NM's evolving electricity demand at different stages.

- CLP is advancing short-, medium-, and long-term plans to increase substations, expand and upgrade their capacity, and work with the Government to reserve land for power infrastructure, supporting the NM's long-term power needs.

- For the development of the Sandy Ridge Data Centre Cluster, CLP has established a dedicated engineering and customer service team to formulate power supply solutions tailored to the project's needs at different stages. From early planning and electricity facilities development to future operational arrangements, the team provides technical support to ensure that power infrastructure advances in step with construction, with phased operations targeted to commence in mid-2027, strengthening the city's competitiveness as an international digital hub.

- Taking the Sandy Ridge Data Facility Cluster as a reference, CLP is confident that it can meet electricity demand equivalent to that of three to four Sandy Ridge-scale supercomputing centres over the next decade.



Ho To West Substation is the first building completed in the Hong Kong-Shenzhen Innovation and Technology Park, supporting the development of the Loop



CLP engineering staff are expanding the power grid to ensure power infrastructure in the area is ready. Pictured is the Ma Sik Road Substation



CLP takes forward to advance Sandy Ridge Data Facility Cluster development in the NM

Facilitate the Development of Data Centres in Hong Kong

- Data centres are critical infrastructure that support the development of innovation and technology, smart city initiatives, key economic sectors such as financial services, trade and logistics, and the broader economy of Hong Kong. With rapid development of AI, electricity sales at data centres are expected to grow continuously.

- To meet the projected growth in demand for data centres, CLP is implementing a range of measures to support their development in Hong Kong:

  - Provide tailored power supply solutions to meet electricity needs at different development stages, facilitating timely commissioning;
  - Promote green practices and innovative solutions to enhance energy efficiency and reduce emissions;
  - Proactively liaise with relevant government departments and organisations, such as Digital Policy Office and Invest Hong Kong, to facilitate the setting up and development of data centres and highlight Hong Kong's strengths as a premier location for data centres.

- CLP has been actively assisting businesses and data centre operators in accelerating project delivery and enhancing energy efficiency. We assisted Goodman Group in planning and formulating the power supply solution for its data centre campus in Tsuen Wan West, and actively coordinated with relevant departments to advance the completion of the power engineering works by over six months. CLP also provided funding support to data centre operator Equinix to collaborate with The Hong Kong Polytechnic University on energy-saving data analysis, effectively optimising airflow management in its data centre halls. Furthermore, we offer Renewable Energy Certificate (REC) purchase agreements as an effective measure for data centres to offset their electricity-related carbon emissions, with AirTrunk and SUNeVision having signed the relevant agreements.



Advanced Technology

- A reliable and secure power grid is critical to ensuring supply reliability. CLP applies advanced and the most relevant technologies to improve the performance of our power system, thereby facilitating decarbonisation of the future, delivering customer-centric solutions and continuously enhancing our operational excellence.

Smart Grid

- Smart grid development is an emerging global trend of power grid modernisation. CLP is one of the few power companies worldwide which develops smart grid in a vertically integrated approach, covering all aspects including power generation, transmission and distribution, as well as customer services. By integrating clean and sustainable power generation, leveraging advanced control and monitoring technologies, enhancing information and communications system, the new power system is capable of delivering low-carbon, reliable and efficient power service to customers. It can open up new opportunities to engage customers in energy-saving and demand side management. CLP also applies data analytics to enhance customer services, operational efficiency, supply reliability, safety and power quality.

  - **11kV overhead line automatic restoration system:** CLP applies smart technology to carry out real-time analysis to protect and control the power grid. When the 11kV overhead lines equipped with automatic restoration system are interfered by external factors such as lightning strikes or vegetation interference, the system will automatically isolate the faulty section, and shift to other sources for immediate supply restoration.

  - **Intelligent transmission substations:** CLP continuously introduces automated equipment in our transmission substations to enhance operational efficiency and supply reliability. Among all smart features, a self-healing system can significantly shortening the power restoration time from several minutes to less than one second. This self-healing system is widely deployed as standard requirement in all new CLP transmission substations.

  - **Online condition monitoring:** Aside from intelligent substations, CLP also introduces online condition monitoring systems at transmission transformers and switchgears for conducting round-the-clock health checks. Once irregularities are observed, the system will automatically issue alerts to relevant engineering staff, so that inspection or repair can be conducted at an early stage. The data collected can also serve to support the implementation of Condition Based Maintenance through the calculation of Asset Health Index to optimise the maintenance cost.

  - **Smart meters for all customers:** To support Hong Kong's development into a smart city, CLP has been replacing conventional meters with smart meters for all residential and SME customers in phases since November 2018. The rollout was largely completed by the end of 2025. As of June 2026, CLP has connected over 2.94 million smart meters for customers.

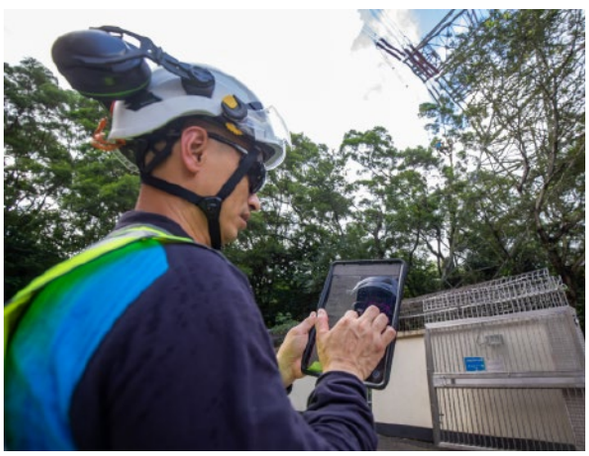
  - Smart meters connected through a telecommunication system form the Advanced Metering Infrastructure (AMI) system. It can provide detailed electricity usage information and a range of digitalised services to customers, empowering them to efficiently manage their consumption, reduce energy use and demand at peak times, so as to move towards a low-carbon living.

  - The territory-wide rollout further strengthens grid resilience and supply reliability, while establishing a strong foundation for smarter energy services and smart city development, and supporting Hong Kong's 2050 carbon neutrality target.

Overhead Line Vegetation Management

- Hong Kong is home to many fast-growing tree species. During period of strong winds or heavy rainfall, fallen trees or broken branches may come into contact with overhead lines and disrupt electricity supplies. CLP has adopted its self-developed **Predictive Vegetation Management System**, which is a comprehensive tree management platform that combines Geographic Information System (GIS) technology. It records the data of more than 170,000 trees within the range of CLP overhead lines, including tree species, age, and pruning records. It can predict the growth of vegetation along the route of overhead lines and identify trees that pose potential risks to the overhead lines. Engineering personnel can schedule and carry out pruning in a timely and effective manner based on tree risk level, so as to enhance supply reliability.





Drone Inspections for Power Station Facilities and Overhead Lines

- Engineers from CLP's Generation Business Group began exploring the use of drone technology as early as 2016 and set up its first drone team. Drones are used to carry out safety inspections within power stations, assessing the operating condition of facilities and mechanical components, including their level of wear-and-tear. Outdoor drones equipped with infrared thermal imaging technology can also detect overheating or pipe leakage, allowing for earlier detection of issues and timely replacement.



- For indoor inspection, the team adopts a small **cage drone** equipped with Light Detection and Ranging (LiDAR) systems and sensors to reach high and inaccessible areas flexibly and quickly. This supports more comprehensive inspections, while reducing the time and cost of erecting scaffolding. The use of drone technology enhances work safety by mitigating risks associated with working at height and in confined spaces, while strengthening accuracy and operational efficiency. The images captured also help engineering teams assess equipment condition and plan timely maintenance.

- CLP extended the use of drones to outdoor power supply facilities, including transmission towers and overhead lines, to enhance overall inspection coverage, including areas beyond the reach of helicopters patrols in the past. CLP further adopted an Extended Visual Line of Sight operations to increase operation distance of drone, thus enhance the efficiency of drone operation during overhead line inspections.

- In support of measures promoting the low-altitude economy, CLP submitted Beyond Visual Line of Sight operations for the inspection of overhead lines and towers as "Low-altitude Economy Regulatory Sandbox Pilot Project" and was among the first batch of selected projects. The pilot project brings about nearly a fourfold increase in the efficiency of inspecting overhead lines and towers, further enhancing grid management and maintaining world-class supply reliability.







Application of Robotics

- To meet the operational needs of power stations, including generation units and auxiliary facilities, CLP deploys a variety of robots to enhance work quality and safety.

- CLP adopts the **"Generator Inspection Robot"**, jointly developed with The Hong Kong Polytechnic University, for generator inspections. The robot can flexibly navigate the narrow air gaps between the rotor and stator of the generator, and cross ventilation baffles to automatically complete major inspection tasks without the need to remove the rotor, significantly enhancing inspection efficiency and operational safety. The robot won a Gold Medal and a Special Prize – Best International Invention & Innovation from the National Research Council of Thailand at the 51st International Exhibition of Inventions Geneva.

- CLP also deploys **crawler robots** to inspect underground culverts within power stations. These culverts are used to draw in seawater for cooling generation units and require regular inspection to ensure proper operation and prevent blockages. As confined spaces, inspections previously had to be carried out by specially trained personnel, with work limited by physical constraints, often taking several days for a single culvert. The crawler robot is small, with a retractable top, and is equipped with lighting and rotating cameras, enabling comprehensive inspection in narrow and poorly-lit environments. Compared with manual inspections, they enhance safety and efficiency, and significantly reduce inspection time by more than half to around two days per culvert. The data collected also enables engineers to gain a more comprehensive understanding of culvert conditions, supporting more effective inspection and maintenance strategies.

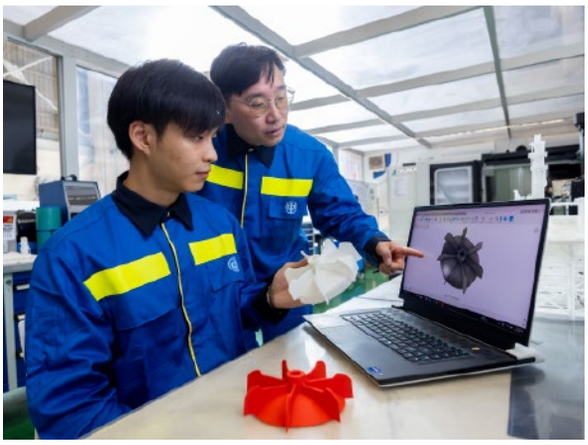




Application of 3D Printing

- Engineers from CLP's Generation Business Group conduct regular maintenance of generation equipment and replace components as required. In cases where original equipment manufacturer parts are not readily available, CLP uses 3D printing technology to produce the required components, enhancing the flexibility of spare parts supply.

- To enhance the durability and usability of the printed components, CLP collaborates with the Hong Kong Branch of National Precious Metals Material Engineering Research Center at City University of Hong Kong to advance the application of **metal 3D printing technology** in power generation equipment components. This includes assessing the feasibility of adopting new metal materials and advanced printing technologies, thereby enhancing component performance and reliability, extending component lifespans, optimising maintenance strategies, and strengthening the reliability and resilience of power generation system.



Measures against Extreme Weather

- In recent years, extreme weather conditions occur more frequently, posing challenge to supply reliability. CLP's power supply is at particular risk from super typhoons, storm surges, lightning strikes and high temperature. Therefore, we implement a number of measures to enhance the resilience of our power equipment against extreme weather, aiming to maintain a reliable power supply and minimise the impact on critical services and infrastructure, as well as our customers.

- More than 30% of CLP's transmission network consists of overhead lines. There are more than 700 transmission towers that form the backbone of our 400kV supply system. Overhead lines are exposed and susceptible to the influence of weather and the external environment.

- As Hong Kong is exposed to increasing challenges posed by super typhoons, CLP has enhanced its measures for emergency preparedness. These include: **strengthening the structures and foundations of 400kV towers** that can withstand super typhoons with wind gusts up to 300km/hour at 500m height; and introducing **an Emergency Restoration System** that enables rapid construction of temporary masts that the time to restore power supply can be shortened to just two weeks when an existing tower is damaged. In addition, CLP has also established a typhoon response protocol and coordinating systems. Drills are conducted on a regular basis.

- Hong Kong may also be vulnerable to storm surges caused by tropical cyclones. To counter the potential impact of storm surges on the power supply, CLP has introduced a **flood calculator**, which evaluates the flooding risk at substations during typhoons based on real-time data and forecasts released by the Hong Kong Observatory, allowing for meticulous monitoring and timely coordination by our engineering staff. Upgraded mitigation measures have also been taken at flood-prone transmission substations and distribution substations such as **installing flood gates, sealing the cable inlets, equipping the substations with sump pumps and flooding alarm systems**. In addition, flood prevention measures have also been put in place at some of our power generation facilities. CLP collaborated with a local university to conduct risk assessment on the impacts of severe rainstorms and landslides on the power system. Based on the assessment results, CLP completed the installation of flood gates or flood prevention facilities at more critical substations in 2025.

- Overhead lines are exposed and susceptible to lightning strikes. To minimise voltage dips caused by lightning, CLP has installed **line arresters** on transmission towers and poles and further reinforced lightning protection systems at power stations. Line arresters can drain tremendous lightning current to the earth and hence help stabilise the system voltage, and improve the resilience of the power systems against lightning. As a result, supply reliability and power quality are enhanced.



Grid-V & Condition Monitoring Centre


Linesmen are connecting conductors on a 70-feet high temporary mast. The construction of a temporary mast takes a little over 10 days, which is over 10 times faster than repairing a damaged tower

- The self-developed intelligent management system known as **Grid-V** enables real time monitoring of critical assets, such as transmission overhead lines and substations. Its AI features can detect external disturbances, such as hill fire, smoke, or flying objects, and alert engineering staff to take prompt action. Supply reliability is further enhanced by its proactive monitoring and AI-assisted analysis functions.

- In view of the more frequent high temperature days, an operating condition at substations against high ambient temperature of 45°C for new equipment has been incorporated in CLP guidelines to ensure the operations in substation would be maintained. The guidelines on operating condition of power supply facilities are regularly reviewed against the trend of climate change and actual data released by Hong Kong Observatory and CLP closely monitors the performance of the power supply facilities to avoid heavily loaded situation.

- In 2025, Hong Kong experienced a record-breaking 14 typhoons, including two No. 10 hurricane signals issued under Super Typhoon Ragasa and Typhoon Wipha. Five instances of black rainstorms were also recorded in July and August. Despite the extreme weather, CLP's power supply system maintained a high overall performance, demonstrating the effectiveness of our medium to long term measures.

- Ahead of the storm, CLP made full preparation by putting in place contingency mechanisms and precautionary measures. These included strengthening inspections of critical power facilities to ensure equipment was in good condition and operating reliably. Flood protection measures were implemented at substations vulnerable to flooding. In addition, vegetation management was carried out to prune trees that could pose potential risk to overhead lines. CLP continues to adopt innovative technologies such as intelligent management system Grid-V and drone inspections. These measures aim to enhance grid resilience and mitigate the impact of extreme weather on the power supply system.

- During the typhoon, CLP's System Control Centre and command teams closely monitored operations, while frontline engineering staff remained on standby to carry out emergency repairs and restore electricity to affected customers swiftly. On the customer support front, CLP strengthened its 24-hour emergency hotline service by deploying additional staff in advance. CLP's Customer Services Team and Community Support Team also maintained close communication with relevant Government departments, community leaders, Care Teams, property management offices and relevant stakeholders to coordinate the handling of emergency incidents.

- To enhance public awareness and preparedness towards extreme weather, CLP launched a short video providing precautionary tips for the public in bracing for the imminent typhoons. It also highlights key points to note in the event of power incidents, helping the public better understand the necessary preparations and strengthening communication.







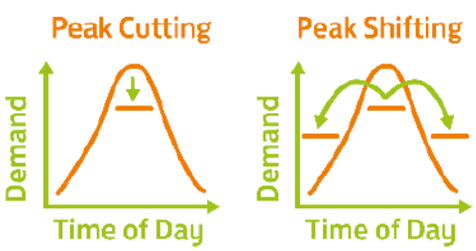
CLP's Typhoon Preparedness Measures

Public education video on tips to follow before, during and after typhoons

Tips for dealing with power interruptions during typhoons

- As extreme weather becomes more frequent, the pressure on the power grid increases correspondingly during peak demand periods. CLP takes a forward-looking approach to electricity demand planning and actively implements initiatives to manage peak electricity demand by encouraging customers to shift or reduce electricity use during designated peak periods, which helps ease pressure on the grid, defers the need for building additional generation capacity, and makes better use of our existing resources.

- CLP has launched a **Peak Demand Management programme** since 2013, using an incentive mechanism to encourage commercial and industrial customers to reduce electricity consumption during designated peak periods. The programme initially targeted industrial customers and was later progressively expanded to more than 2,400 organisations, covering commercial buildings, shopping malls, as well as the retail and catering sectors. Upon receiving notification of peak demand periods from CLP, customers can take measures to lower their electricity consumption during the specified periods and receive incentives. Between 2020 and 2025, it reduced peak demand by over 60 megawatts on average each year, equivalent to the power consumption of 100,000 window air conditioners, achieved significant results.



- In 2020, CLP extended demand management initiatives to residential customers by launching a large-scale energy-saving programme **Summer Saver Rebate Programme**. The programme encourages the customers to reduce electricity consumption during peak periods on designated hot summer days, or to shift usage to earlier or later times. For example, by using washing machines or electric water heaters before or after peak periods. Customers can earn reward points for every kilowatt-hour of electricity saved during the specified days and time, which can be redeemed for gifts. This could cultivate more energy-saving consumption habits.



- We also partnered with the property management sector to promote the "Summer Saver Rebate Programme" through estate-based promotional activities, and set up interactive game booths in shopping malls nearby to strengthen outreach on energy-saving and decarbonisation. Since the programme's launch, the number of participating residential customers has grown from tens of thousands to over one million. On a peak demand day in 2025, 1.4 million participating households successfully reduced electricity demand by about 250MW within two hours, equivalent to the annual electricity consumption of more than 150 households.

- To strengthen Hong Kong's resilience to extreme weather, CLP Power partnered with the Hong Kong Quality Assurance Agency (HKQAA) to launch the city's first **"Climate Resilience Care" platform** in 2026. The platform supports commercial and industrial enterprises in identifying climate-related risks and formulating practical response strategies, thereby strengthening operational resilience while promoting the integration of climate resilience into their ESG management frameworks.

- CLP Power provides professional audits on power quality and energy efficiency to help enterprises plan ahead and implement measures to address climate risks, enabling them to progressively establish robust climate resilience management frameworks. The platform is also supported by ecosystem partners, including banking and insurance institutions, working together to lay a stronger foundation for Hong Kong's long-term sustainable development.



Power Quality

- Power quality has become a concern of our customers in recent years with the increased use of sophisticated computing, automation and control technologies especially in the financial, medical, communication and industrial sectors. One of the most common power quality issues is **voltage dip**.

- A voltage dip is not a power supply interruption. It is a voltage fluctuation in a very short period of time. Power companies all over the world have not been able to totally eliminate voltage dips. Voltage dip can be caused by various factors, for example, overhead lines are exposed and susceptible to the influence of adverse weather such as typhoons, lightning strikes, or third party interference including trees and wildlife, all of which may cause voltage dip in the power system.

- Over 30% of CLP Power's transmission network consists of overhead lines, which are exposed and vulnerable to external factors such as weather and environment conditions. In the past few years, an average of more than 80% of voltage dips were caused by external factors.

- In general, voltage dips last for less than 0.1 seconds. Individual users may experience momentary dimming or flickering of lights. Some electrical installations sensitive to voltage fluctuation, such as lifts, may trip as a result of the activation of the equipment's protection mechanism. Property management office could arrange a qualified contractor to restart the tripped equipment.

- CLP's professional engineers have been carrying out an ongoing study to improve the quality of our power supply. CLP actively engages customers and industry practitioners, provides **power quality consultation services**, invites developers or consultants to attend our planning-ahead meeting upon new supply applications, and recommends engineering solutions for mitigating the impact of voltage dip such as suitable ride-through devices. Over the past few years, we have reached out to nearly 190 housing estates and organisations, and more than half of them have adopted our recommendations to mitigate voltage dips.

- To further support customers in mitigating voltage dips, CLP's Power Quality (PQ) Team has rolled out the **"PQ Health Check"** service, where on-site assessments and technical demonstrations are arranged for buildings to identify potential power quality issues that may affect stable operation of electrical installations, and cost-effective mitigation measures are recommended.

- CLP organises seminars and workshops for corporate customers and property management industry personnel, sharing the knowledge and mitigation measures related to voltage dips. By joining hands with customers, it enhances the resilience and protection of buildings' electrical installations, helping the industry strengthen its capability to respond to voltage dips.

CLP Power Quality Team One-stop Technical Consultation Services



CLP organised seminar for property management professionals to help improve their capability to handle voltage dips

5 ENVIRONMENTAL MANAGEMENT

Government's Environmental Policy

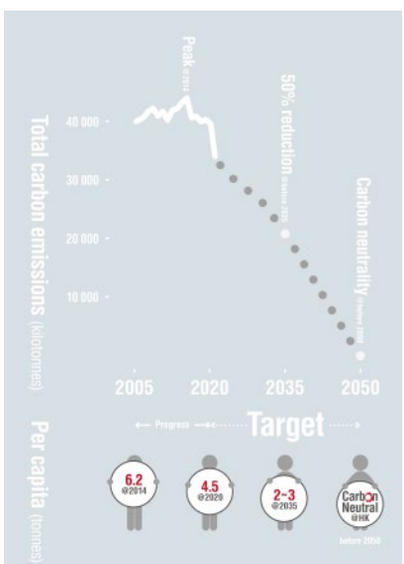
- Sustainable development has become a key global priority. As extreme weather events become more frequent and expectations for environmental quality and low-carbon development continue to grow, governments worldwide are adopting long-term decarbonisation strategies to drive green development and support the transition to a low-carbon economy. Hong Kong is actively advancing these efforts through carbon reduction initiatives and energy transition measures as it progresses towards its carbon neutrality goal.

Carbon Reduction

- In 2020, the Central Government set a "dual carbon" goal, aiming to achieve carbon peak by 2030 and carbon neutrality by 2060; and further announced a new commitment to lowering the nation's carbon intensity by over 65% from the 2005 level by 2030.

- Hong Kong is among the earliest cities in Asia to take actions to combat climate change. The city's carbon emissions already peaked in 2014 through a series of carbon reduction measures, including halting the construction of new coal-fired power plants in 1997 and gradually replacing coal with natural gas and zero-carbon sources for power generation.

- The Hong Kong SAR Government pledged in the 2020 Policy Address to achieve carbon neutrality before 2050, and in 2021 released the **Hong Kong Climate Action Plan 2050**, setting out measures for Hong Kong's long-term decarbonisation strategy, including achieving net-zero electricity generation before 2050 and setting an interim target to reduce total carbon emissions by half against the 2005 level before 2035.



Hong Kong's Roadmap to Carbon Neutrality

Source: **Hong Kong's Climate Action Plan 2050**

- The Central Government announced the **National 15th Five-Year Plan (15th FYP)** in 2026, setting out a clear direction for accelerating the green transformation of economic and social development. Key priorities include building a clean, low-carbon, safe and efficient modern energy system, fully implementing dual controls on total carbon emissions and carbon intensity, and strengthening the deployment of clean energy systems to foster new momentum for green development.

- The HKSAR Government also announced **Hong Kong's First Five-Year Plan** in 2026, providing a clearer strategic blueprint for Hong Kong's future development, while further strengthening the alignment between policy planning and resource allocation. A stable and reliable energy supply is fundamental to economic development, industrial upgrading and improving people's livelihood. CLP fully supports the Government's development strategies through forward-looking power planning and continuous investment, providing safe, reliable and low-carbon electricity services to support Hong Kong's high-quality development.

- CLP will also continue to work closely with the community to advance decarbonisation. By addressing both demand and supply sides, CLP will advance low-carbon power generation while promoting energy efficiency and conservation among customers, helping Hong Kong progress towards carbon neutrality.

- See also Chapter 6 on **Cleaner Fuel Mix for Electricity Generation**

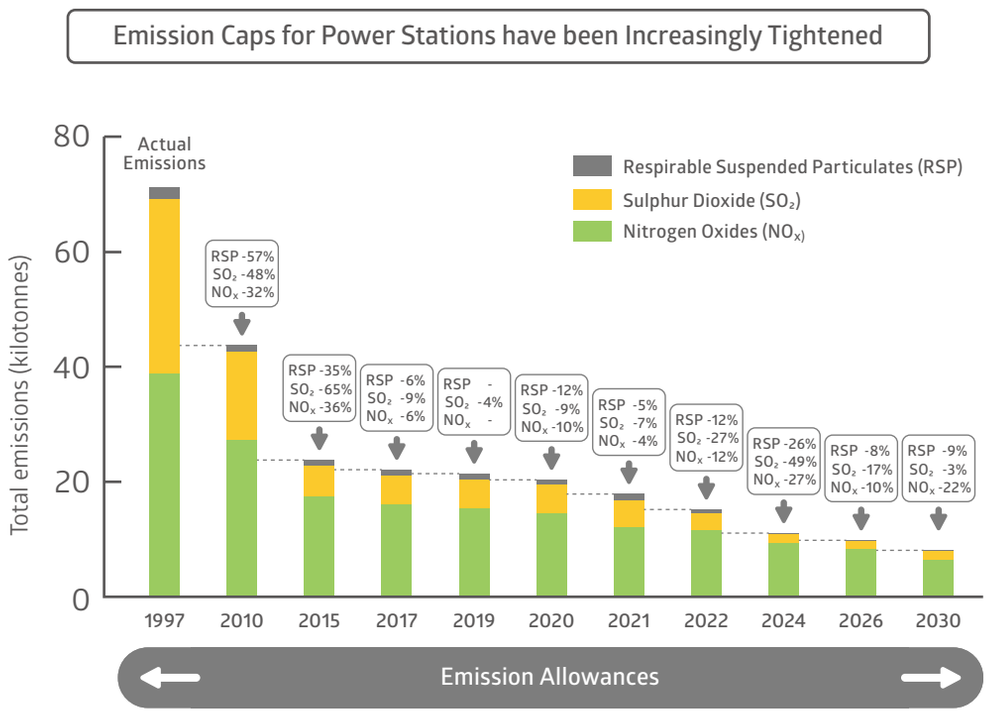
Air Quality Improvement

- To regulate the emissions from power plants, the Government in 2008 issued its first Technical Memorandum (TM) under the Air Quality Control Ordinance to set emission caps of pollutants (including sulphur dioxide, nitrogen oxides, and respirable suspended particulates) for power plants based on the levels of 1997 actual emissions. Since the emission allowances stipulated in the first TM came into effect in 2010, the Government reviewed the emission allowances at least once every two years and has tightened the requirements for several times to continuously improve air quality in Hong Kong.

- The Government has issued ten TM to date, with the latest version issued in 2025 which further reduced the annual emissions cap for power plants in 2030 and beyond. The emission allowances have dropped significantly by about 70% to about 90% as compared with those for 2010 set under the first TM.

- In June 2021, the Government announced the **Clean Air Plan for Hong Kong 2035**, setting out the challenges, goals and strategies to enhance the air quality of Hong Kong to 2035. The Plan covers six major areas of action on green transport, livable environment, comprehensive emissions reduction, clean energy, scientific management, and regional collaboration. Action areas related to the power industry such as promoting the use of new energy transportation, carrying on reducing emissions from electricity generation and exploring at the same time the use of new low-carbon energy such as hydrogen energy and liquefied natural gas.

- Moreover, the Government reviewed the Air Quality Objectives (AQOs) at least once every five years. The latest AQOs, which took effect in April 2025, further tightened five prevailing AQOs and added three new parameters introduced in the **World Health Organisation's Global Air Quality Guidelines**. The working group has also consolidated 21 air quality improvement measures with significant emission reduction impact by 2030 which cover aspects of power generation and transportation, such as tightening of emission limits of power plants under the new low-carbon electricity generation strategy, reduction of energy consumption of new and existing commercial and residential buildings and promoting the use of liquefied natural gas in marine vessels.



Powering Responsibly and Reducing Emissions

- CLP manages the environmental impact of electricity generation responsibly. We adopt the world's best practices to enhance our operational efficiency, safety and environmental performance. We have also established effective environmental management systems which conform to the globally recognised ISO 14001 Standard. Over the years, CLP has diligently put in effort to manage carbon and air emissions in our operations.

CLP's Emissions Management Measures

- **CLP has successfully met the increasingly stringent emissions caps for our power stations set by the Government**. We continue to adopt new technologies, diversify fuel sources and optimise processes to help make the air in Hong Kong cleaner. Significant emissions reduction has been achieved through a combination of advanced emissions control technologies and optimisation of our fuel mix including the use of natural gas, nuclear power, renewable energy and low sulphur coal, and the installation of high efficiency emissions control facilities.

- From 2010 to 2011, we retrofitted by phases the largest four coal-fired generation units at Castle Peak Power Station with **large-scale desulphurisation and nitrogen oxides reduction facilities** which have significantly improved the emissions performance of the station. In addition, gypsum produced during the desulphurisation process is recycled as material for the construction industry such as plasterboard, bringing extra environmental benefits to the society.

- Turbine upgrades on eight gas-fired generation units at Black Point Power Station were completed in 2022, increasing the capacity of each unit by 25MW (8%) and driving improvements in efficiency, as well as reducing the nitrogen oxides emissions.

- Meanwhile, jointly developed by CLP and HK Electric, the Hong Kong offshore liquefied natural gas (LNG) terminal went into operation in mid-2023 to increase the gas supply security by diversifying supply sources, and to enable procurement of LNG at competitive prices from the global market.

- CLP completed the upgrade works of the Clean Energy Transmission System in 2026, which will enhance the reliability and transmission capacity of the existing cross-boundary transmission overhead line circuits connecting CLP's grid and Shenzhen, strengthening system resilience and providing Hong Kong with greater flexibility for using more zero-carbon energy in the future.

- **CLP has always strived for reducing emissions. More than 90% emissions reduction in SO_2, NO_X and RSP have been achieved since 1990, while electricity demand has grown by over 90% during the same period**. Electricity generation emissions have fallen greatly as a result of various emissions reduction efforts.

New Gas-Fired Generation Units Driving Decarbonisation

- Two new gas-fired generation units (Units D1 and D2) at Black Point Power Station were commissioned in 2020 and 2024 respectively, increasing the proportion of gas-fired generation to over 50%. Along with other improvements in generation efficiency, the emissions will be further reduced.

- Both new gas-fired generation units adopt advanced and efficient combined-cycle gas turbine (CCGT) technology, achieving an operational efficiency of approximately 60%. Natural gas is first burned in the gas turbine to generate electricity. During the process, the heat from the gas turbine is captured and transported to heat up water in the boiler. Steam is then produced to drive the steam turbine for power generation. The combined cycle design allows for greater output of electricity without the use of additional fuel. In addition, both units are equipped with selective catalytic reduction facilities which can reduce nitrogen oxide emissions compared with traditional coal-fired generation units.



Ongoing Improvement in CLP's Environmental Performance



1990
Installed electrostatic precipitators at Castle Peak Power Station



1993
Installed low NO_x burners at Castle Peak Power Station



1994
Import nuclear from Daya Bay Nuclear Power Station



1996
Natural gas-fired Black Point Power Station established



2005
Increased use of ultra low sulphur coal



2010 / 2011
Castle Peak Power Station emissions control facilities commissioned



2013
Began using Second West-East Gas Pipeline for gas-fired generation



2020
The first new gas-fired generation unit at Black Point Power Station commissioned

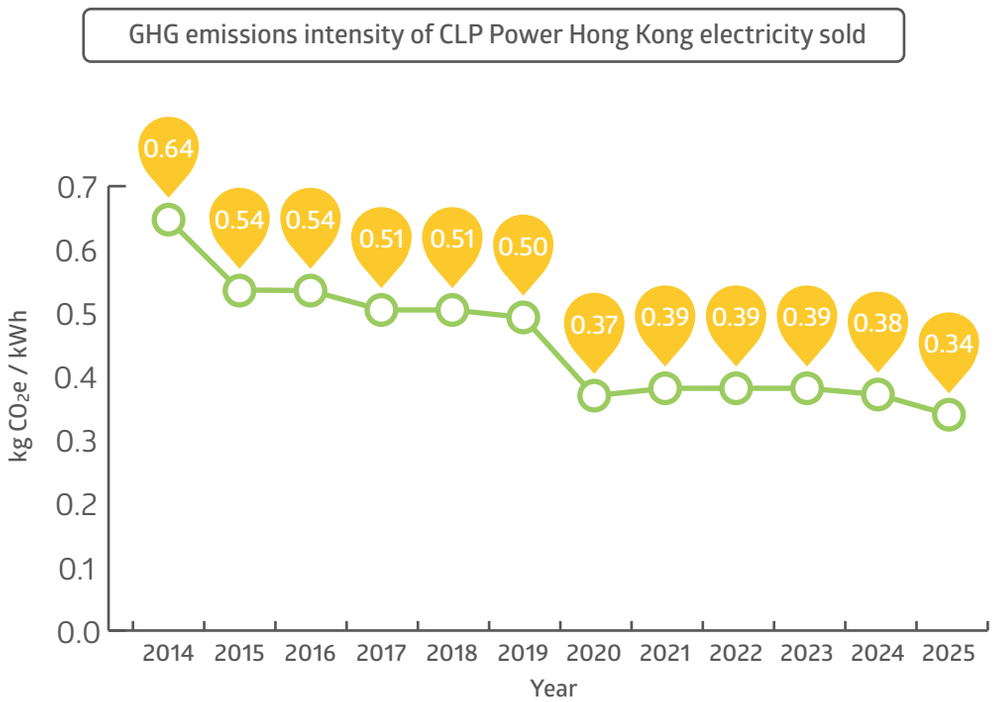


2023
Hong Kong offshore liquefied natural gas (LNG) terminal went into operation



2024
The second new gas-fired generation unit at Black Point Power Station commissioned

- The GHG emissions intensity of the electricity sold in Hong Kong in 2025 was maintained at 0.34kg CO_2e/kWh.



Source: CLP Sustainability Report 2025

Long-term Decarbonisation Target

- As one of the largest investor-owned power businesses in Asia Pacific, CLP recognises its role in addressing climate change. In 2004, CLP Group published its first Group-wide renewable energy target of 5% by 2010. In 2007, the Group published CLP's **Climate Vision 2050** which set out the blueprint of moving towards a net-zero future. It has informed our business strategy since its launch and supports our long-term development. It is also integral to our broader climate strategy.

- The Group updated the Climate Vision 2050 in early 2024 which strengthened the greenhouse gas emissions intensity target for 2030 to bring it closer to the goal of limiting global warming to 1.5°C, while maintaining existing commitments including phasing out coal before 2040 and achieving net-zero greenhouse gas emissions across our value chain by 2050.

- CLP Group is committed to reviewing its climate transition plan and targets at least every three years, taking into consideration the latest climate science, policy drivers, technological advancement, industry trends and community expectations, guiding the Group in managing climate-related risks and opportunities to ensure an orderly transition.

- The 2050 carbon neutrality target is an important milestone for Hong Kong. CLP will promote the development of local renewable energy and explore ways to enhance regional cooperation on zero-carbon energy with the Government and identify sources of zero-carbon energy in neighbouring regions, including seeking joint investment and development opportunities for participating in and operating zero-carbon energy projects near Hong Kong. We will also keep abreast of developments in technologies that utilise renewable energy for electricity generation. At the same time, we are working on ways to convert our local gas generation infrastructure to support the use of green fuels such as zero-carbon hydrogen. In decarbonising our electricity generation, CLP continues to adopt careful planning to maintain high levels of safe and reliable supply for our customers.

Transport Electrification



CLP's EV charging station

- CLP plays an orchestrating role in the local electric vehicle (EV) ecosystem by promoting the wider adoption of EVs for Hong Kong.

Promote eMobility

- CLP has set up EV charging stations in Kowloon, the New Territories and major areas of Lantau Island to provide convenient and reliable fee-paying EV charging services to support the development of green transport.
- In support of the Government's EV-charging at Home Subsidy Scheme (EHSS), CLP has introduced **Eco Charge 2.0** which provides one-stop technical support to the customers who are interested in installation of EV charging-enabling infrastructure in the car parks of private residential blocks.
- As EVs become increasingly popular, CLP launched an **EV Residential Time of Use Tariff** in May 2025. This EV tariff plan provides residential customers with flexible options for EV charging at residential parking. Customers can enjoy a discounted energy charge during "Off-peak Period" which helps enhance utilisation of the power grid and reduce peak load.



eMobility Network launch ceremony

Promote Wider Use of Electric Commercial Vehicles (ECVs)

- CLP and various businesses and organisations formed a cross-sector partnership called the eMobility Network to promote the wider use of ECVs in Hong Kong. The network, which includes ECV manufacturers and operators, charging service providers and battery swapping operators, battery recycling company as well as a bank offering green finance services, encourages technology exchange and accelerates the popularisation of ECVs.

- In addition, CLP has upgraded its Fleet Electrification Advisory Service, offering one-stop professional support to assist enterprises in formulating forward-looking and practical fleet electrification strategies. The service covers four key areas, including (1) Power Demand Assessments and Power Supply Solutions, (2) Advice on Charging Infrastructure and Facilities Planning, (3) Charging Network and Vehicle Selection Recommendations, and (4) Fleet Electrification Experience Sharing.

- CLP is also working with the Government and stakeholders to support e-transport trials of buses, minibuses, taxis, and ferries. Strategy will be adjusted from time to time to keep abreast of the latest EV development. In addition, CLP has been working closely with the Government and petrol station operators to facilitate the conversion of Petrol Filling Stations (PFS) to EV quick charging stations and the retrofit of existing PFS to EV quick charging network.

- CLP fully supports the HKSAR Government's Fast Charger Incentive Scheme and conducted preliminary power assessments across its supply areas to identify around 8,000 potential sites for fast charger installation, enabling effective planning and deployment of fast chargers for the industry.

- CLP Power has also joined a working group established by the HKSAR Government to share its experience and successful cases with the Government and relevant stakeholders, supporting the policy direction set out in the updated version of the Hong Kong Roadmap on Popularisation of Electric Vehicles.



Supporting the Electrification of Marine Transportation

- Leveraging our power expertise, CLP provides cleaner electricity and technical support, and works with international specialists in marine electrification solutions and technologies to advance the decarbonisation of Hong Kong's maritime sector.
- Our support includes feasibility studies, power supply planning, technical advisory services, and collaboration with industry partners to facilitate pilot projects. In addition, we offer a diverse range of tailored power supply solutions to meet the needs of Hong Kong's evolving maritime sector, including shore power, e-vessel charging and battery swapping.

Adoption of the Latest Technology

- To support the expansion of the EV charging network, CLP has developed the **eMobility Grid Management Platform (eGMP).** The platform analyses EV charging data to assess the utilisation and patterns of charging stations in different locations of Hong Kong, enabling the power company to optimise grid planning and resource allocation.
- Link to reference information: **eMobility**



Other Environmental Initiatives

- Caring for the environment is one of CLP's core values. We strive to introduce various initiatives in the process of operations that contribute to improving the environment we live.

Green Substations with Low Carbon Initiatives



CLP has introduced Sky Woodland at its Chui Ling Road Substation in Tseung Kwan O to promote city greening



The design of Kwu Tung North Substation is integrated with its surrounding environment

- CLP is introducing a more systematic and innovative approach for the design of green substations, introducing features such as increased ratio of greenery, rainwater recycling system and automatic dripping irrigation system to save more water for irrigation, as well as photovoltaic (PV) panels to maximise the harvest of solar energy.

- A number of CLP substations have received awards for their outstanding green design. The Chui Ling Road Sky Woodland, Hong Kong-Zhuhai-Macao Bridge Substation, Queen's Hill Substation, and Ho To West Substation were presented with the Gold Award for the Transmission and Distribution Project of the Year at the Asian Power Awards. The Hong Kong-Zhuhai-Macao Bridge Substation, Queen's Hill Substation, Shing Kai Road Substation, Ma Sik Road Substation, Kwu Tung North Substation, Ho To West Substation, and Tuen Mun Eco Park Substation were awarded Final Platinum rating under BEAM Plus New Buildings, while Yuen Long Industrial Estate Substation was awarded Provisional Platinum rating.

Waste Management

- Waste generated during power generation is also treated responsibly. For example, the coal ash from coal combustion is classified at the Ash Classification Plant in Castle Peak Power Station in accordance with the British Standard. Classified pulverised fuel ash (CPFA) that fully complies with the standard is sold to local concrete production companies as a direct replacement for cement in concrete production while the lower quality ash, such as furnace bottom ash (FBA), raw PFA and reject PFA are sold to local plants for cement production.

6 CLEANER FUEL MIX FOR ELECTRICITY GENERATION

Getting to Know the Fuels for Power Generation

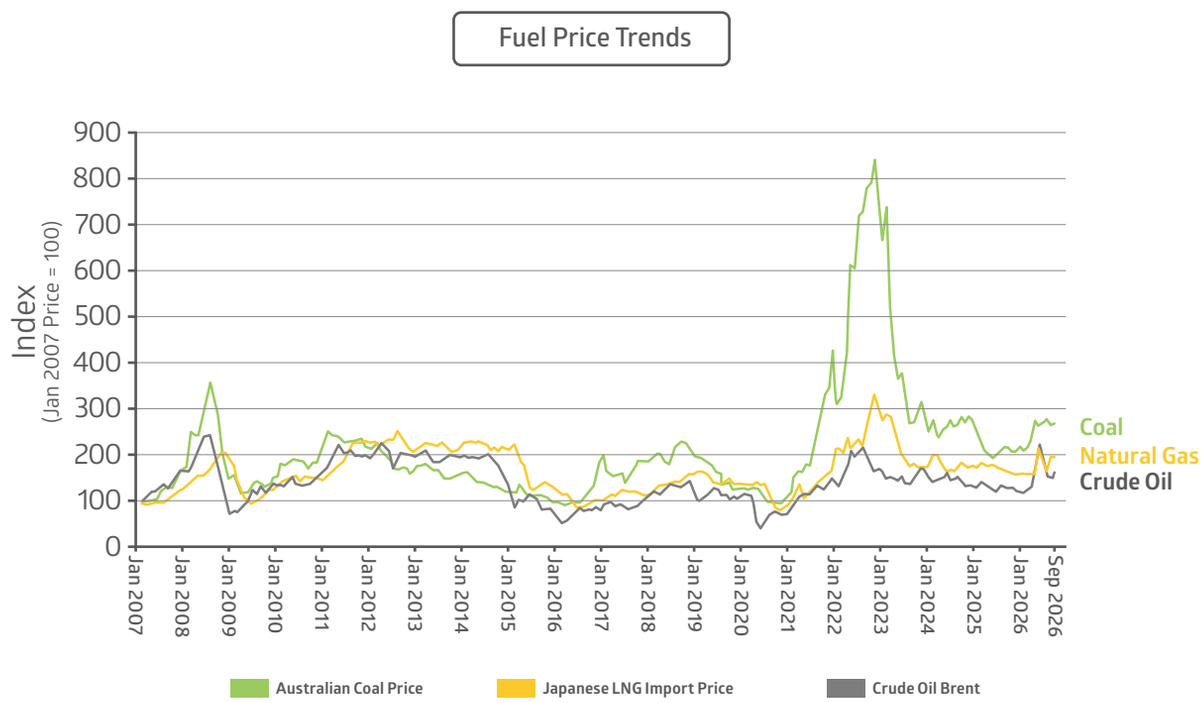
- Different fuels used for electricity generation have their own unique properties and each plays different roles in the fuel mix.
- Hong Kong has no indigenous energy resources and most of the fuels needed for electricity generation are imported. CLP takes into careful consideration of the properties of different fuels to continuously strive for an optimal fuel mix to achieve a balance among safety and reliability, environmental performance and cost. The following introduces them in terms of cost and efficiency etc.

Coal	▪ Provides high reliability, can be stored on site and a quick response to meet changes in demand ▪ Fuel cost is typically low ▪ High carbon emissions and other air emissions even with the latest available abatement measures are the major drawbacks
Natural Gas	▪ Provides high reliability and a very quick response to meet changes in demand. Outperforms coal in emissions performance ▪ A significantly higher generation cost in place ▪ World demand for gas is increasing given its environmental benefits
Nuclear	▪ High reliability, enables large-scale and steady base-load electricity ▪ Stable generation cost for stabilising tariff levels ▪ Non-carbon emitting and no other air emissions ▪ Requires sophisticated and careful operational safety and waste management
Renewable Energy (RE)	▪ Natural resources availability is intermittent in nature, and support from conventional fossil fuel generation is required to ensure reliable electricity supply ▪ Large amounts of land are often required for developing RE ▪ Due to continuous technological advancement in zero-carbon energy development, the generation cost has become more competitive ▪ It is practically emission-free and thus is gaining popularity in countries where its relatively high cost can be supported ▪ RE is growing important in the world's fuel mix, but abundant natural RE resources and favourable criteria for developing RE are not available everywhere

Fuel Costs and Energy Security

- Amid rising geopolitical uncertainty and increasing volatility in global energy markets, energy supply security has become a critical dimension of the energy trilemma, particularly for a city like Hong Kong that is highly dependent on imported energy.

- The following chart shows the volatility of fuel prices since 2007.



Source: World Bank

- CLP adopts a **diversified fuel mix**, including natural gas, coal, renewable energy and relatively stable-priced nuclear power from Daya Bay, and procures fuels from various sources globally to secure energy supply.

- CLP adopts prudent fuel costs control by enhancing the efficiency of power generation units, and contracting with different suppliers, to secure competitively-priced fuels from the market. CLP also uses the Fuel Clause Recovery Account under the Scheme of Control Agreement to mitigate the impact of fuel cost volatility on tariff levels.

Fuel Choices

- The Government launched a public consultation in 2014 on the **Future Fuel Mix for Electricity Generation**. Most of the respondents supported local power generation by natural gas and expressed reservation about importing electricity from the Chinese Mainland. Following the consultation, the Government proposed to revamp fuel mix target for power generation with around 50% natural gas by 2020 in order to reduce the carbon intensity of Hong Kong by 50% to 60% by 2020 when compared to 2005.

- In 2017, the Government announced **Hong Kong's Climate Action Plan 2030+**, which stated that in order to meet its new carbon intensity reduction target of 65% to 70% by 2030, Hong Kong needed to continue to phase down remaining coal plants in the next decade and replace them with natural gas and non-fossil fuel sources.

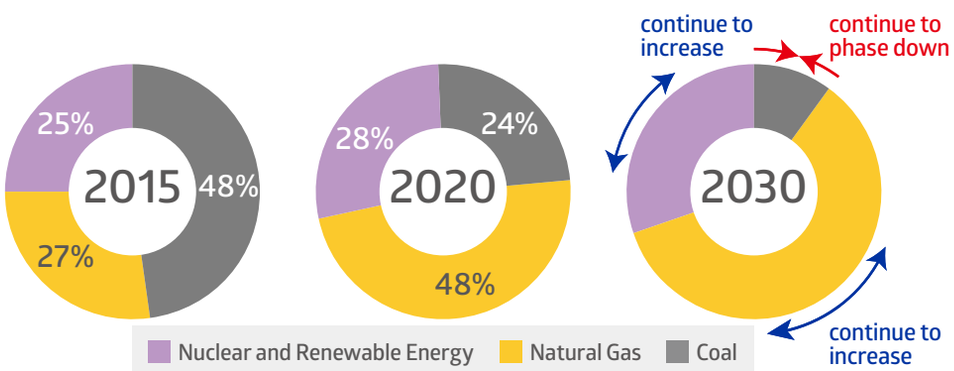
- The then Council for Sustainable Development (now Council for Carbon Neutrality and Sustainable Development) launched the **public engagement on Long-term Decarbonisation Strategy** in 2019 and suggested different fuel mix strategies for carbon reduction in the power sector. It pointed out that if the global average temperature rise is to be limited to 2°C or even 1.5°C, it is estimated that 80% or even 100% of the electricity has to come from zero-carbon fuel sources, including renewable energy and imported nuclear energy. CLP Power submitted a response paper to the Council in September 2019, supporting the need for deep decarbonisation of electricity generation and the Government's environmental policy.

- Subsequently, the Government announced **Hong Kong's Climate Action Plan 2050**, setting out net-zero electricity generation as one of the strategies to achieve carbon neutrality before 2050. This requires the city to strive by 2035 to cease coal-fired generation, to raise the proportion of zero-carbon energy in the fuel mix for electricity generation to about 60% to 70%, as well as to increase the proportion of renewable energy in the fuel mix for electricity generation from less than 1% at that time to 7.5% to 10% by 2035 , and further increase to 15% before 2050.

- Links to reference information:

  - CLP's Response to the Public Engagement on the Long-term Decarbonisation Strategy
  - Council for Sustainable Development's Report on Public Engagement on Long-term Decarbonisation Strategy

Reduction of Coal in Fuel Mix for Electricity Generation 2015–2030



Source: Hong Kong's Climate Action Plan 2050

CLP's Fuel Mix for Electricity Generation

- CLP has been optimising a **diversified fuel mix** from multiple sources to **ensure energy security and price stability** while providing a reliable electricity supply and meeting environmental standards at reasonable costs.
- A well-established mechanism for fuel procurement is in place to source the fuels that can satisfy our requirements such as emission standards and costs. Our procurement team also keeps exploring new sources of cleaner fuels.
- The following table and chart illustrate CLP's ongoing efforts in managing a diversified fuel mix to achieve these objectives.

Evolution of CLP's Fuel Mix

1960s–1980s	▪ Single fuel supply from **oil**
1982	▪ Began fuel diversification with the introduction of **coal** with multiple sources of supply
1994	▪ Further diversification by importing **nuclear energy** from Daya Bay Nuclear Power Station ▪ Began to phase out oil
1996	▪ CLP pioneered the use of **natural gas** for power generation in the region in the early 1990s ▪ Secured natural gas supply from one of the four largest offshore gas fields in the Chinese Mainland near Hainan with a 20-year contract
2000	▪ Began to use **low-emission coal** to further improve emissions performance
2013	▪ Started using **natural gas** supplied via the **Second West-East Gas Pipeline (WEPII)** in the Chinese Mainland
2015	▪ HKSAR's Sludge Treatment waste-to-energy facility connected to the CLP grid
2018	▪ Feed-in Tariff was introduced to promote the development of **local renewable energy**
2020	▪ The **first new gas-fired generation unit (Unit D1)** at Black Point Power Station was commissioned to increase the share of gas-fired generation to around 50% ▪ The landfill gas generation units at the West New Territories (WENT) Landfill, **WE Station** started operation to utilise **landfill gas** produced locally as fuel
2023	▪ **Hong Kong offshore liquefied natural gas (LNG) terminal** went into operation to increase the gas supply security by diversifying supply sources, and to enable procurement of LNG at competitive prices from the global market
2024	▪ The commissioning of the **second new gas-fired generation unit (Unit D2)** at Black Point Power Station further increased CLP's gas ratio in the local fuel mix and supported the gradual retirement of coal-fired generation units at Castle Peak A Power Station ▪ The second phase of WE Station has been put into operation

- As early as the 1990s, CLP spearheaded the introduction of nuclear energy and natural gas for power generation, and fully supports the new measures set out for Hong Kong's long-term decarbonisation strategy in the Government's Hong Kong's Climate Action Plan 2050. CLP strives to advance energy transition, phase out coal-fired generation, promote the development of local renewable energy, explore the use of green hydrogen, promote electrification, as well as enhance regional cooperation to seek new zero-carbon energy sources. The section below illustrates our key initiatives of using cleaner fuels: natural gas, nuclear energy, renewable energy, and zero-carbon energy.

Natural Gas

- **CLP was the first electricity supplier to bring natural gas to Hong Kong for power generation**, for which natural gas emits much less sulphur dioxide, nitrogen oxides, particulates and carbon dioxide than most other fossil fuels. Over the years, the use of natural gas has helped CLP reduce emissions from its operations.

- CLP started importing gas from **Yacheng Gas Field** near Hainan Island in 1996, providing an abundant and reliable energy source to support Hong Kong's economic development. It enabled significant environmental improvement accompanied with a stable tariff regime.

- A Memorandum of Understanding (MOU) on energy cooperation was signed between the Central Government and the Hong Kong SAR Government in 2008, paving the way for the use of new gas sources from the Chinese Mainland. One of the primary sources is the **Second West-East Gas Pipeline (WEPII).**

- WEPII, operated by China Oil & Gas Pipeline Network Corporation, is currently the **world's longest natural gas pipeline**. It consists of one trunk line and eight branches that starts in Horgos, Xinjiang, where it connects to the Central Asia-China Gas Pipeline and crosses 14 provinces, autonomous regions and municipalities, and terminating at Hong Kong's Black Point Power Station.

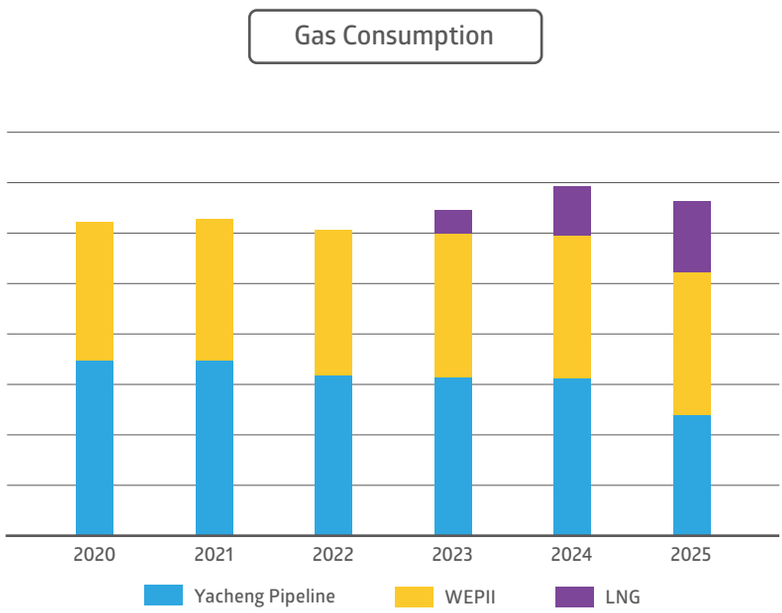
- In line with the MOU, a long-term gas supply agreement with PetroChina was signed for supplying WEPII gas to Hong Kong starting from 2013. Gas is delivered via a 20-km undersea pipeline connecting the gas launching station at Dachan Island in Shenzhen and Black Point Power Station.

- With the gradual depletion of the Yacheng gas field, CLP has since 2020 brought in additional gas from CNOOC's gas fields in the Chinese Mainland using the existing Yacheng pipeline under a new long-term contract.

- CLP has been importing liquefied natural gas (LNG) from international markets through the Hong Kong Offshore LNG Terminal since 2023 to meet Hong Kong's electricity generation fuel needs.

Ensuring Gas Supply

- To meet the Government's target of increasing local gas-fired generation by 2020, CLP is taking additional steps to ensure sufficient and diversified gas supply. In view of the depleting Yacheng gas fields and the two-month temporary suspension of gas supplies from the existing WEPII due to a landslide in Shenzhen in December 2015, CLP sees the importance to diversify the gas sources for CLP, and for Hong Kong as a whole.
- CLP has developed a plan to ensure future energy supply stability, security and diversity. This also helps enhance the city's bargaining power for natural gas purchases and provide our customers a more cost-effective electricity supply.



Hong Kong Offshore Liquefied Natural Gas (LNG) Terminal

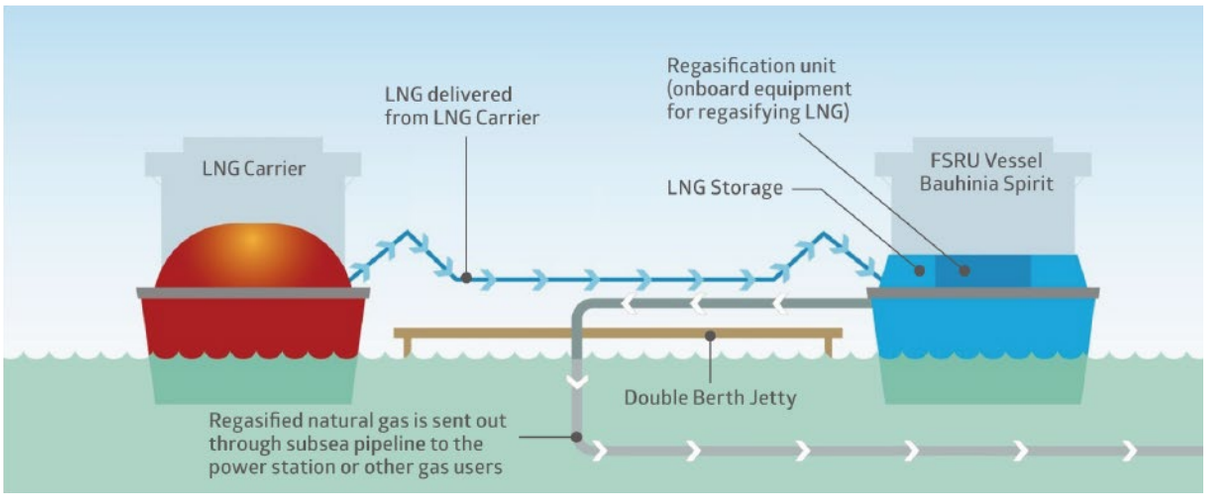
- Jointly developed by CLP and HK Electric, the Hong Kong Offshore Liquefied Natural Gas (LNG) Terminal went into operation in mid-2023 to provide a long-term alternative source to meet Hong Kong's need for fuel supply, which is crucial for enhancing the security of the city's natural gas supply. It also gives the two power companies direct access to international LNG markets, strengthens their ability to source competitively-priced gas, and ultimately benefits customers and Hong Kong as a whole.

- The offshore LNG terminal in the south-western waters of Hong Kong is the first of its kind in the city. It applies the technology of **Floating Storage Regasification Unit (FSRU)** to regasify the LNG, and the natural gas is supplied to CLP Power's Black Point Power Station and HK Electric's Lamma Power Station through two separate subsea gas pipelines. This initiative by the two power companies helps raise the low-carbon generation capability and fuel supply security of the power companies in support of Hong Kong's energy transition.

- Bauhinia Spirit, the world's largest FSRU vessel with an LNG storage capacity of 263,000 cubic metres, has moored at the jetty of the terminal. It is used to receive, store, and regasify LNG.

- To support marine ecology conservation and the sustainable development of fishing industries, the two power companies have established a Marine Conservation Enhancement Fund and a Fisheries Enhancement Fund. A total of HK$100 million was injected into two funds to support community initiatives that contribute to the enhancement of the marine environment and fisheries.





The Hong Kong Offshore LNG Terminal Project Website

Hong Kong LNG Terminal Limited Website

At-a-glance video of the Hong Kong Offshore LNG Terminal

Nuclear Energy

Nuclear Energy in Hong Kong



- In 1985, the Chinese Government and CLP joined hands to develop **Daya Bay Nuclear Power Station** in Guangdong Province, the nation's first large-scale commercial nuclear power station. It was CLP's first large-scale power project in the Chinese Mainland and our new milestone to low-emission power generation. In the same year, CLP established a joint venture company with Guangdong Nuclear Investment Co., Ltd. (a subsidiary of China General Nuclear Power Corporation) and signed a 20-year contract for nuclear power supply to Hong Kong starting from 1994.

- In September 2009, the supply contract for Hong Kong was extended for another 20 years to 2034.

- As of today, nuclear energy accounts for about a third of CLP's fuel mix in Hong Kong and has been safely and reliably meeting a quarter of Hong Kong's electricity needs for more than 30 years. Importing non carbon-emitting nuclear energy directly from a dedicated plant through a dedicated line has been proven effective.

- Daya Bay Nuclear Power Station produces around 15 billion kWh of electricity per year. To ensure that more non-carbon energy is provided to Hong Kong at a stable price, Daya Bay increases its electricity supply to Hong Kong from 70% to around 80% of its output starting from late 2014.

- As of April 2026, Daya Bay has supplied Hong Kong with a cumulative total of over 330 billion kWh of electricity.

- Importing nuclear energy to Hong Kong has helped avoid carbon dioxide emissions in the city by over 7.5 million tonnes a year. Given that the cost of nuclear energy is less affected by volatile fuel prices, nuclear energy helps smoothen price fluctuations amid recent global energy crisis, ensuring a reliable power supply at a stable price.

- In the longer term, CLP believes that nuclear power should continue to be a part of the fuel mix to support Hong Kong and the Chinese Mainland's decarbonisation plan. CLP is discussing with the Government and industry players on the importation of more nuclear energy through regional cooperation to meet Hong Kong's decarbonisation targets.

- CLP has three distinct roles in the Daya Bay Nuclear Project. We:
  - act as an investor;
  - contribute our expertise; and
  - import nuclear power into Hong Kong.



Facts and Figures about Daya Bay Nuclear Power Station

CLP Ownership	25% (through Hong Kong Nuclear Investment Company Limited (HKNIC))
Joint Venture Partner	China General Nuclear Power Corporation
Reactor Technology	Pressurised Water Reactor
Generation Capacity	Gross capacity → 2,052MW (2 x 1,026MW) CLP's Capacity (Equity/Long-term Purchase) → 1,642MW[1]
Commencement Date of Construction	7 August 1987
Date of Commissioning	Unit 1 → 1 February 1994 Unit 2 → 6 May 1994
Plant Management & Operation	Daya Bay Nuclear Power Operations & Management Company, Limited (DNMC) (CLP has 12.5% stake)

- Link to reference information: **Nuclear Energy - A Sustainable Choice for Powering the Future**

1 Daya Bay has increased its electricity supply to Hong Kong from 70% to around 80% of its output starting from late 2014.

Safety Excellence and Emergency Preparedness

- **Safe operation** is always the top priority for all nuclear power operators. At Daya Bay Nuclear Power Station, the **defence-in-depth** principles are applied to ensure a robust and safe operation, covering a full spectrum of activities from the initial plant design to the installation of all equipment and the implementation of all operational procedures. They include:
  - site selection;
  - plant design and operational safety;
  - staff training and qualification;
  - international benchmarking;
  - radiation protection and environmental monitoring; and
  - emergency preparedness
- Daya Bay Nuclear Power Station is located in a seismically stable region. The site was selected meticulously according to international guidelines and stringent safety assessment by the National Nuclear Safety Administration, after a comprehensive analysis and survey.
- The nuclear power station is designed according to the local situation around the site of the power station and able to withstand natural hazards such as tsunami and earthquake.
- In the event of an emergency due to equipment failure or human error, standby equipment is ready to step in and maintain the safe operation of the plant, minimising the chances of any incidents and their adverse impacts on the environment.
- **Well established contingency plans** are in place at Daya Bay Nuclear Power Station. A communication mechanism is also set up to facilitate communication with the general public and between relevant government authorities in Guangdong and Hong Kong in the unlikely event of a nuclear accident.
- To enhance public's understanding of nuclear operation and promote higher transparency, Daya Bay Nuclear Power Station has adopted **a public notification mechanism** to release information of non-emergency Licensing Operational Events through the websites of DNMC and HKNIC. These events carry no nuclear safety consequences and have no impact on the environment or public safety. Events of an emergency significance will be announced quickly and as appropriate by the government authority.
- **Daya Bay Nuclear Power Station has maintained an excellent record of plant reliability, performance and safety since its commissioning in 1994.**
- To comply with the statutory requirement of National Nuclear Safety Administration, the first 30-year overhaul of the two units of Daya Bay Nuclear Power Station was successfully completed in June 2024, further enhancing the operational safety, supply reliability and digitalisation capability of the power station, laying a solid foundation for extending its lifespan.
- Over the years, Daya Bay Nuclear Power Station has ranked high in the World Association of Nuclear Operators (WANO)'s performance indices across major aspects of plant safety and efficiency, industrial safety and radiation protection. In 2025, Daya Bay Nuclear Power Site reached the world's level of excellence of WANO performance indicators. Daya Bay Nuclear Power Site was also named champion in Capability Factor at the EDF Safety Challenge Competition for consecutive years.
- Daya Bay Nuclear Power Station has a **comprehensive environmental monitoring programme** to safeguard the health of its staff and the general public. Regular checks over the years have indicated that there has been no excessive or undue release of radioactivity and the effect of radioactive releases on the environment is very low if not negligible. No adverse public health impact from Daya Bay (and the nearby Ling Ao Nuclear Power Station) is confirmed in a 25-year survey by the Shenzhen Municipal Health Bureau.

Clean Energy Transmission System

- CLP completed the enhancement works for the **Clean Energy Transmission System (CETS)** in March 2026. The project enhances the reliability and transmission capacity of the existing cross-boundary transmission overhead line circuits connecting CLP's grid and Shenzhen, providing Hong Kong with greater flexibility for using more zero-carbon energy in future.

- The project is extensive in scale, covering over 80km of overhead lines and more than 230 transmission towers. While ensuring that electricity supply to customers remained unaffected, CLP's engineering team had a challenging mission to replace approximately 2,000km of conductors and relevant components and uprated related plant equipment in substations.



Renewable Energy (RE)

- CLP supports the Government's energy policy and strives to explore practical local RE opportunities despite limited RE resources and land scarcity in Hong Kong. The following provides an overview of CLP's support to facilitate the community in developing distributed RE systems and RE projects constructed by CLP.

Grid Connected Renewable Energy Projects

- While large-scale distributed RE projects prove challenging, CLP provides professional technical support and a simple application procedure for grid connection to encourage local RE developments.

- There are larger scale RE facilities under planning, construction, and operation, including Government-led waste-to-energy facilities e.g. the T·PARK in Tuen Mun and the Organic Resources Recovery Centers (O·PARK1 and O·PARK2 located in Lantau and North District respectively) were connected to the grid and the electricity generated was sent to the grid. The Integrated Waste Management Facilities Phase 1 (I·PARK1) at Shek Kwu Chau has commenced the first phase of trial operation. With a larger capacity, it is able to export surplus electricity to the CLP grid. We fully support the operation of these facilities to help meet the Government's environmental goals.



Renewable Energy Feed-in Tariff (FiT) Scheme

- CLP introduced a Renewable Energy Feed-in Tariff (FiT) scheme and Renewable Energy Certificates (RECs) in May 2018 and January 2019 respectively, with an aim to promote the development of local RE. The new initiatives also aim to encourage the community to embrace low-carbon lifestyles through their participation in the development of RE.

- The FiT scheme is applicable to electricity produced by solar and wind power systems with a total generation capacity of up to 1MW. CLP will purchase the electricity produced by an approved RE system once it is successfully connected to the company's power grid. A smart meter will be installed to record the amount of electricity generated by the RE system. The FiT rate will be the same for both solar and wind power systems.

- For instance, if a customer has installed solar panels at his rooftop and the system is approved and connected to CLP's power grid, CLP will offer him FiT rate, ranging from HK$2.5 to HK$4 depending on the generation capacity of the RE system. The FiT rates are higher than the prevailing tariffs to incentivise RE investment which is expected to enjoy a shortened payback period of around 10 years. The FiT rate applies to the electricity generated during the entire project technical lifetime or until the end of the current SCA on 31 December 2033, whichever is earlier.

- The FiT rates:

RE system generation capacity	FiT rate (per unit)
≤10kW	HK$4
>10kW to ≤200kW	HK$3
>200kW to ≤1MW	HK$2.5

- The FiT scheme is open to all CLP's customers other than government departments. FiT rates may change from time to time as agreed with the Government. The new rates will apply to new applications after the effective date of change.

- The scheme attracted customers from a variety of sectors including business and industrial sector, schools, and both urban households and village houses. Since the commencement of applications in May 2018, CLP received over 29,600 applications as of end-June 2026. Around 96% of the applications have been approved, majority of them are from village houses. So far about 26,900 applications have been completed and successfully connected to CLP power grid to enjoy FiT. Among the systems that have been connected to our grid, the largest systems are from six commercial and industrial customers with a capacity of 1,000kW each.

- RE promotions are launched through the CLP website, CLP One, and social media, etc. to help customers understand the FiT application procedures, information related to system design and installation. CLP will offer technical assistance to customers all the way till the RE system is connected to the power grid. Customers can also refer to the Technical Guidelines on Grid Connection of Renewable Energy Power Systems, and Guidance Notes for Solar Photovoltaic System Installation from **Electrical and Mechanical Services Department website** for more information.







Renewable Energy Certificates (RECs)

- For customers who want to support local development of RE but cannot afford an RE system on their own, they can purchase the Renewable Energy Certificates (RECs). Each unit of REC represents environmental attributes of electricity produced by local RE sources including solar power, wind power, and landfill gas projects, generated or purchased by CLP.

- Launched on 1 January 2019, the current price per unit of RE electricity is HK$0.5, and the minimum purchase is 100 units. Any residential or commercial and industrial customer with a CLP Power electricity account is eligible to purchase RECs.

- To encourage more commercial and industrial customers to participate, CLP Power has offered a variety of purchasing options since mid-2020. Revenue generated from the sale of RECs will contribute towards part of the cost of purchasing RE through the FiT scheme, helping minimise the costs of electricity as a whole.

- The units of electricity carried in the RECs available for sale will match the total amount of electricity from local RE sources generated or purchased by CLP over a specific period of time. Any CLP's residential or business customers can support local development of RE by purchasing RECs.

- CLP's RECs have been well-received by commercial and industrial customers since its launch. As of end-June 2026, around 1,007GWh were sold through RECs, equivalent to a reduction of 371,000 tonnes[1] of carbon emissions. Many corporate customers have committed to larger and longer RECs purchases, demonstrating their commitment to long-term sustainability and supporting local renewable energy development.

CLP Feed-in Tariff Scheme

CLP Renewable Energy Certificates

1 Calculation based on the carbon intensity of the electricity sold by CLP Power in Hong Kong from 2019 to 2025.

RE Projects Developed by CLP

Town Island Renewable Energy (RE) Supply Project

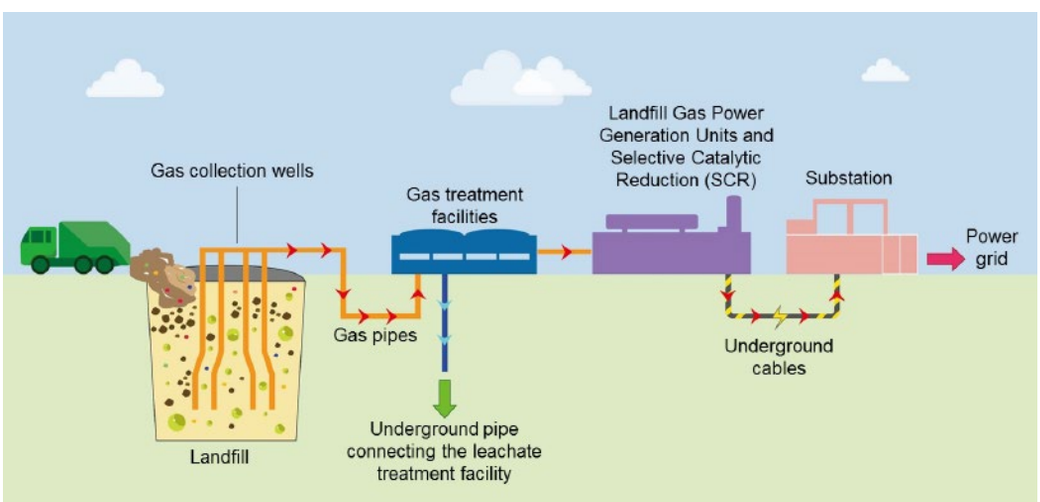
- CLP has developed Hong Kong's first commercial-scale standalone RE generation and storage system on Town Island, located off Sai Kung. The Town Island RE Supply Project powers a non-profit drug rehabilitation centre run by Operation Dawn.
- Staff and residents at the centre used to rely on the intermittent running of small diesel generators for a few hours every day for their power supply. Since the commissioning of the first phase of the system in 2010, more reliable electricity has been available to meet their basic energy needs.
- After the system upgrade, the project now comprises 672 solar panels, two wind turbines and 190 batteries. As the system is not connected to the grid, it features batteries capable of storing over 1,000 kWh of electricity to provide power supply for the rehabilitation centre's use lasting for around 30 hours.
- By the first quarter in 2026, the system generated more than 1,033,800kWh of electricity, equivalent to the monthly consumption of over 3,100 households.
- The Project was named one of the "Hong Kong People Engineering Wonders in the 21st Century" in a public vote organised by Hong Kong Institution of Engineers in recognition of CLP's commitment to promoting sustainability, the use of clean energy and caring for the community.



Landfill Gas Power Generation Project

- CLP's waste-to-energy initiative involves the installation of power generation units at the **West New Territories (WENT) Landfill**, namely **WE Station**. The units **make use of landfill gas produced locally at the landfill site for power generation** and the electricity produced will be transmitted to CLP's power grid.
- The first phase of WE Station comprises five generation units with a total generation capacity of 10MW, which began operation in the first quarter of 2020. The second phase of the project has added two more units, increasing the generation capacity by 4 MW to a total of 14 MW, which was completed in 2024.

Landfill Gas Generation Process

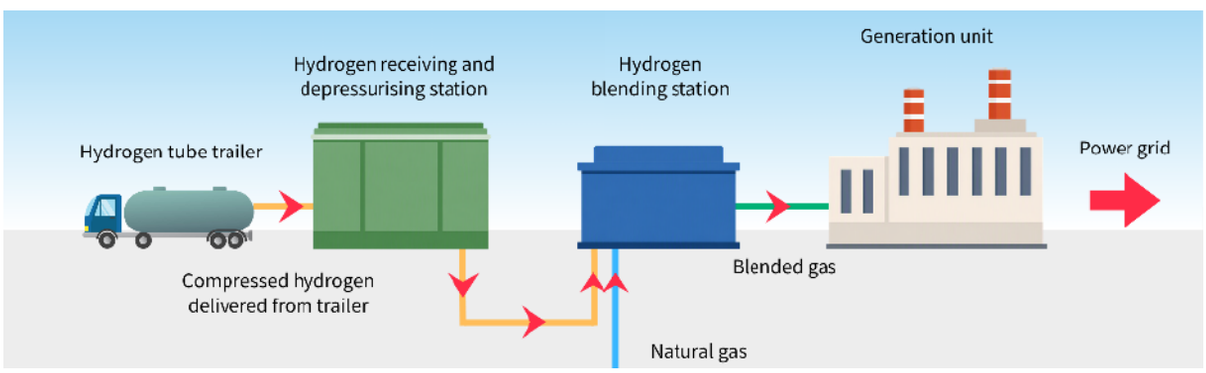


Zero-Carbon Energy

- CLP is actively supporting the Government's decarbonisation policies through the procurement and delivery of the most cost-effective and traceable zero-carbon energy from the Chinese Mainland to Hong Kong, with a view to further deepening regional energy cooperation and jointly enhancing energy security and decarbonisation across the Guangdong-Hong Kong-Macao Greater Bay Area.
- At the same time, CLP fully supports the Government's development of strategic electricity facilities at Tseung Kwan O Area 132 to import more zero-carbon energy from the Chinese Mainland. This will support the target of increasing the share of zero-carbon energy to 60% to 70% by 2035, help Hong Kong achieve carbon neutrality before 2050, and contribute to the nation's high-quality green development.

Hydrogen-Blended Natural Gas Electricity Generation Trial Project

- Hydrogen is regarded as one of the important low-carbon energy sources of the future and is a strategic development priority under the National 15th Five-Year Plan. CLP is developing a hydrogen-blended natural gas electricity generation trial project at Black Point Power Station to explore hydrogen applications. As Hong Kong's first hydrogen-blended generation initiative at a power station, the initiative will help build local operational experience in using hydrogen for electricity generation.
- The first phase of the project will be carried out on one of the gas-fired generation units. Approximately 5% hydrogen will be blended with natural gas for electricity generation. The project will provide valuable insights into the technical requirements, generation performance and commercial viability of hydrogen as fuel for electricity generation. Testing is expected to be completed in 2028.



7 ENERGY MANAGEMENT

- **CLP is firmly committed to energy efficiency and conservation**. We encourage our residential and business customers and the Hong Kong community to use energy more efficiently. We provide tools and organise activities for residential customers to raise their environmental awareness and change their energy consumption habits. On the other hand, we have introduced a series of measures for business customers to help them reduce energy use and save costs in their operations, hence accelerating their decarbonisation journey, and together creating a greener and smarter city.

Helping Residential Customers in Energy Saving and Carbon Reduction



- CLP supports and encourages residential customers to save energy by introducing digital tools and incentive mechanisms that motivate them to adjust their electricity usage behaviours and promote more effective electricity use. With the rollout of smart meters to all residential customers, they can use the CLP App to conveniently access near real-time and historical consumption data, review billing analyses, estimate household electricity usage and receive personalised energy-saving recommendations. Enhanced visibility of this information enables customers to better understand their usage patterns, anticipate electricity expenses and take timely actions to manage their consumption more efficiently.

Improved services of smart meter



- Building on smart meter data that makes electricity usage more visible and predictable, CLP has launched the **CLP Eco Grade Energy Efficiency Grading & Rewards Pilot Programme**, which incorporates gamified features and a grading mechanism. Invited households are assessed based on their monthly electricity consumption, benchmarked against similar households, as well as their participation in low-carbon activities. They are assigned ratings such as Green, Silver and Bronze, each linked to corresponding rewards. Customers can monitor their household electricity usage via the CLP App, adjust their consumption patterns to improve their ratings, and progressively build more sustainable energy-saving habits.

- Customer engagement is further reinforced through another incentive mechanism, the **Power Connect** programme, which is integrated with the **Domeo** platform to further encourage residential customers to adopt a low-carbon lifestyle. Through the CLP App, customers can better understand their electricity usage patterns and take practical energy-saving actions, use e-services and participate in low-carbon or community activities to earn Domeo points. These points can be redeemed on the Domeo platform for a wide range of lifestyle products and services. By turning energy-saving actions into tangible rewards, the programme encourages sustained participation. Through this "Save, Earn and Redeem" cycle, it not only enhances energy-saving outcomes but also supports customers in building more sustainable living habits.



- Together, CLP adopts a holistic approach, leveraging data, incentive mechanisms, digital tools and gamified elements to enhance customers' awareness of the environmental impact of electricity consumption and encourage them to adopt energy-saving behaviours. The various initiatives work together to provide customers with a seamless, end to end experience, supporting them in progressively moving towards a more sustainable way of living.

Helping Business Customers in Enhancing Energy Efficiency

- CLP adopts a multi-pronged approach, encompassing funding schemes, professional services and energy management platforms, to provide comprehensive support for commercial and industrial customers. These initiatives help reduce carbon emissions and operating costs, while driving improvements in energy efficiency and accelerating the transition to a low-carbon future.

Energy Audit Services

- CLP has been conducting **Energy Audits** for business customers since the 1990s. It is a free service helping businesses to save energy and operating costs. Our engineering staff carry out energy system performance analysis at customers' premises to identify Energy Management Opportunities and propose energy-saving solutions.

- Under the current SCA, CLP increases the number of energy audits it offers to business customers from 150 to 600 a year, with total electricity saved expecting to reach 48GWh each year.

Eco Building Fund

- **Eco Building Fund** was first set up in 2014 to help residential building owners to carry out energy efficiency improvement works in the communal areas. Under the current SCA, its scope has been extended to cover commercial and industrial buildings as well, and its funding has been increased five-fold to HK$100 million a year to subsidise about 400 buildings. On top of lighting and air-conditioning systems replacement, the upgraded fund will also support retro-commissioning projects and the use of smart technology.

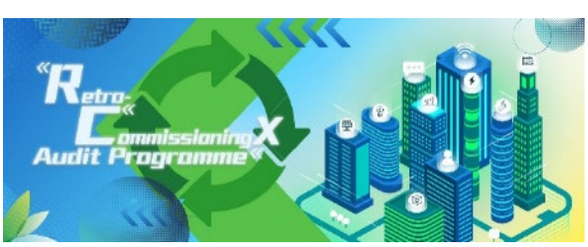
Electrical Equipment Upgrade Scheme

- Launched in 2019, CLP **Electrical Equipment Upgrade Scheme** aims to subsidise business customers, in particular small and medium enterprises, to replace or upgrade the lighting and air-conditioners to more energy-efficient models, thereby reducing carbon emissions from operations while lowering energy costs.

Retro-commissioning Audit Programme

- CLP launched the programme in 2021 to provide free Retro-commissioning (RCx) service to commercial and industrial customers, with the goal to identify more room for energy-saving and efficiency improvement in existing building premises. RCx is a cost-effective way to optimise a building's operational performance without having to replace existing equipment. It is a relatively low-cost investment with shorter payback periods.

- The programme provides a comprehensive consultancy service for buildings to identify Energy Saving Opportunities (ESOs). Through the implementation of proposed ESOs, it is expected to improve the operation of building systems and therefore enhances the building energy efficiency and indoor environment.



Smart Energy Online Platform

- Equipped with smart meters and remote meter reading systems, large businesses can leverage CLP's one-stop energy management platform **Smart Energy Online** to monitor and analyse electricity consumption across multiple operating sites or properties. This enables effective energy management, identification of saving opportunities and optimisation of operations, thereby enhancing energy efficiency and supporting low-carbon transformation.



Smart Energy Award

- CLP is committed to encouraging our customers to conduct their business in a greener way and participate in Hong Kong's low-carbon transformation. Since 2018, we launched the **Smart Energy Award** to recognise businesses and organisations for their outstanding performance in applying innovative solutions to reduce energy use and improve efficiency, with hundreds of organisations participating each year.

Deepen Cooperation with Various Industries to Promote Low-carbon Transformation

Sustainability-linked Loans

- To accelerate the pace of energy conservation and emission reduction in the commercial and industrial sectors, and support the development of the green finance ecosystem, CLP has been providing energy audits services and formulating energy management solutions for businesses since 2022. Those suggestions were accepted as sustainability performance targets for their application for a sustainability-linked loan, supporting the businesses to secure loan to drive expansion in a sustainable way. CLP has so far helped customers from different industries to obtain more than HK$16.15 billion in sustainability-linked loans.

Electrification of Residential Buildings

- CLP has been actively promoting building electrification in recent years. We support and encourage property developers and the property management industry to advance low-carbon buildings and 'All-Electric Homes'. We also facilitate the adoption of innovative energy-saving technologies and high energy-efficient appliances such as induction cookers and electric water heaters to enhance the energy performance of residential premises. Alongside these efforts, we encourage the installation of solar panels and EV charging facilities within properties, further reducing carbon emissions and supporting Hong Kong's transition into a low-carbon smart city.





Promoting Electric Cooking

- In 2025, CLP donated induction cookers to 1,000 families in light public housing and transitional housing to help reduce their energy costs. Induction cookers use less energy and produce fewer carbon emissions than gas cookers. Additionally, induction cookers do not involve an open flame, which is suitable for light public housing where open flame cooking is prohibited.

- At the event, CLP achieved a new GUINNESS WORLD RECORDS™ title for the "Largest Induction Cooker Word" by laying out 1,000 induction cookers to spell "CARBON NEUTRAL" to raise public awareness of decarbonisation.

- In the same year, CLP launched Hong Kong's first Electrical Appliance Library at the Tung Wah Group of Hospitals Yuen Long Yau Pok Road Light Public Housing. The initiative provides a range of energy-efficient electrical appliances for residents to borrow free of charge, promoting low-carbon living and the concept of community resource sharing.





Promoting Adoption of All-electric Cooking by Catering Industry

- CLP has always been providing professional advice to the catering industry to enhance its operational efficiency. In 2024, we commissioned the City University of Hong Kong to analyse the energy efficiency of commonly used electric appliances in Chinese restaurants, including electric steam cabinets, induction woks, and induction stoves. The results show that the energy efficiency of the three electric appliances is superior to traditional cooking appliances. The energy efficiency of electric woks was as high as around 80%, about four times that of traditional woks, saving more than 60% on energy costs and reducing carbon emissions by more than 50%. In addition to improving operational efficiency, electric cooking has lower energy cost, contributing to reduction in operational costs in the long run.
- An all-electric kitchen also helps lower the kitchen's temperature and improve the working environment. CLP has organised the all-electric cooking competition for several consecutive years to promote low-carbon electric cooking to the industry, which received tremendous support from the industry.

Battery Energy Storage System

- Diesel generators were traditionally used to provide power supply for equipment at construction sites. CLP promotes electrification and encourages the industry to switch to battery energy storage system (BESS) to protect the environment and reduce carbon emissions. The BESS, which operates without fuel and is more environmentally friendly than existing backup generators. CLP further developed a 'General Guideline on BESS Adoption for Construction Sites' which provides practical guidance for the industry on the installation, application, and maintenance of BESS.
- To help enhance the Hong Kong International Airport's energy efficiency and reduce carbon emissions, CLP introduced the city's largest BESS to the Airport Authority Hong Kong for storing electricity produced by the existing generators during routine testing. Currently, it is the largest emergency backup power supply system in Hong Kong.



- CLP looks forward to cooperating with more customers to further expand the adoption of BESS.

Supporting Commercial and Industrial Customers to Achieve Decarbonisation Goals

- CLP is committed to assisting commercial and industrial customers in low-carbon transformation at all levels, and has signed Memorandums of Understanding (MoU) with different companies to further strengthen our partnership in energy-saving and carbon reduction. CLP and Chinachem Group (Chinachem) signed a MoU to launch a wide range of new sustainability initiatives to help Chinachem decarbonise its premises, including using a pilot Energy Management System powered by 5G technology and big data analytics solution to predict and deliver precise cooling load at Nina Mall. CLP Power will also conduct energy audits on new development projects covering a prime cold storage and logistics facility in Kwai Chung, and on the new Tung Chung business hub which will include a green data centre, to identify further opportunities for decarbonisation.



- Also, CLP and Link Asset Management Limited (Link) have established a framework to collaborate on a variety of energy-saving and electrification initiatives, including improving the energy efficiency of Link premises, encouraging sustainable business operations among its tenants, exploring the feasibility of adopting battery energy storage systems on Link's construction sites, providing technical support to Link for electric vehicle charging systems to reduce carbon emissions. Additionally, we are exploring opportunities to provide energy solutions in the Greater Bay Area.



- CLP and Creative Property Services Consultants Limited (Creative Property) – Hong Kong's major public housing property management service provider – signed a MoU, aiming to strengthen the capability of Creative Property's property management team in energy management and handling of power incidents. The partnership will also help Creative Property enrich its residents' knowledge of energy-saving and decarbonisation and promote the use of digital customer services to mitigate the impact of climate change in the long run.



- CLP conducted energy audits for Haven of Hope Nursing Home and Haven of Hope Hospital under Haven of Hope Christian Service, recommending energy efficiency improvement measures and providing subsidies to support the implementation of the works concerned. These include replacing energy-efficient air-conditioners and lighting, installing solar power system, and applying cooling paint. Upon completion of all works, the facilities are expected to save a total of around 500,000 kilowatt hours (kWh) of electricity annually, helping to achieve a low-carbon transformation and enhance the energy efficiency of community facilities.





- To support the low-carbon transformation of the Hongkong International Terminals Limited (HIT), CLP has conducted carbon emission analyses for terminal operations to identify opportunities for energy-saving and emission reduction, and explored the use of battery energy storage systems to meet the terminal's peak electricity demand. The solar energy system located 52 meters above ground on the roof of the crane control room at the terminal was connected to CLP's power grid to promote the development of local renewable energy.



- CLP is partnering with Hong Kong Aircraft Engineering Company to advance the electrification of aircraft engineering and maintenance. Initiatives include adopting an all-electric dehumidifier in the engine storage facility, introducing the first electric towing tractor for aircraft, and installing solar panels on hangar rooftops connected to CLP Power's grid. These measures support the development of local renewable energy, improve energy efficiency, reduce carbon emissions, and accelerate the aviation industry's low-carbon transformation.



8 SAFETY IS OUR VALUE

Safety is Our Core Value

- CLP Power cares for the health and safety of our employees, contractors, customers and the public. Our goal is to prevent harm, ensuring that everyone returns home safely. We have strict safety rules in place, such as **Life Saving Rules** and **CLP Power Electrical & Mechanical Safety Rules**, to prevent serious incidents. These rules are enforced for all staff and contractors to ensure safety in all work processes and facilities.

- To ensure a safe working environment for our staff and contractors, we proactively conduct safety inspections, provide supervision and monitor risks to upkeep our safety performance and pursue continuous improvement.



Our Commitment to Safety

- **Total Engagement** — At CLP, safety is everyone's responsibility. Each staff member has specific safety responsibilities and accountabilities. We also actively engage with our contractors to ensure high safety standards are maintained across the board.

- **Safety Performance** — CLP is dedicated to preventing incidents and achieving world-class safety standard. We hold the ISO 45001:2018 certificate for Occupational Health and Safety Management Systems. CLP endeavours to maintain recordable injury rates well below industry average.

Promoting Safety

- **A well-established Safety Management Framework** is in place to uphold the safety performance across CLP. Leading by example, a steering committee led by senior management sets the company's safety policies, management systems, practices and programmes. We regularly monitor and drive our safety performance, aiming for excellence as well as cultivating a safety culture among staff and contractors. Designated safety teams are set up in every operation and business unit to promote safety in every aspect of our operation.

- At CLP, we focus on preventing **Serious Injuries and Fatalities (SIF)** by proactively mitigating potential hazards that pose significant risk to personal safety.

- Our **"See-it, Own-it, Fix-it"** campaign encourages everyone to collectively identify and address risks in our workplaces.

- Our colleagues and contractors actively apply the concept of **Situational Awareness** and the principle of **Risk Assessment** to enhance their risk awareness during work activities. To further enhance situational awareness, capability, responsibility and accountability among our staff and contractors, which include managers, supervisors and front-line workers, we initiated **A Day in Life** safety culture promotion programme in 2023. A series of safety culture enhancement initiatives on **Human Performance Improvement** were launched in 2024 to promote proactive safety behaviours.

- The **"Own-it" Approach** has been implemented for contractor management to uplift their capability and commitment on safety. Contractors are expected to take ownership of their Safe Systems of Work (SSoW) and be responsible for their own health and safety. With more control and autonomy, they are empowered to leverage their expertise under our ongoing monitoring and guidance.

- CLP strives to strengthen our capabilities as a **Learning Organisation**. We focus on managing HSE risks by learning from incidents, enhancing investigation capabilities and using learning teams to drive operational improvements and strengthen leadership capabilities.



Safety Incentive Scheme Recognition Ceremony 2026

- At CLP, we promote **Safety Family** culture that emphasises treating our employees, contractors and the public like family members. This culture fosters mutual care to each other's health and safety. Additionally, CLP **SHE (Safety, Health and Environment) Day** is organised annually to promote safety awareness and safety family culture among the participants.

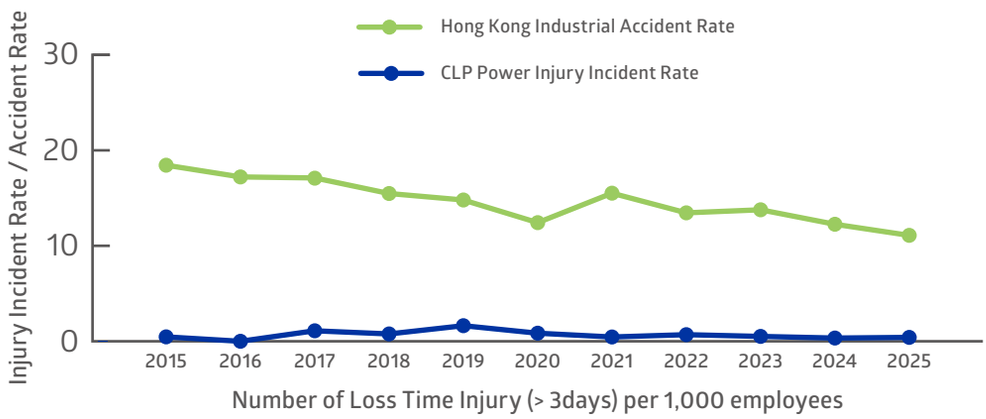
- **Safety Incentive Scheme** at CLP is a signature and insightful programme that connects colleagues' safety effort with the community. The scheme encourages staff to implement safety processes by rewarding their effort with accumulation of reward scores. These scores are then converted into a sum of money for donations to local charities.

- CLP proactively participates and organises occupational health and safety seminars to keep the industry workforce abreast of the latest health and safety knowledge. These seminars also provide a platform for sharing good safety practices with other utilities in the industry and promoting a continuous learning culture.

Safety Performance

- CLP achieves excellent safety performance, and our accident rates are far better than the average industrial accident rates of Hong Kong.

Industrial Accident Rate of Hong Kong Industries and CLP (2015-2025)



Note: The Hong Kong Industry Accident Rate is sourced from Labour Department Occupational Safety and Health Statistics Bulletin, and information paper of Legislative Council Panel on Manpower on Hong Kong's Occupational Safety Performance in 2025.

9 NEW GENERATION CUSTOMER EXPERIENCE

Digital Transformation Driving an Enhanced Customer Experience

- We strive to be the trusted partner of our customers, creating bespoke experiences and empowering them with customer centric solutions. In 2024, CLP launched the Customer Experience Transformation (CXT) Programme, redesigning the entire service journey from a digital-first, customer perspective. By integrating customers' online account profiles and leveraging big data analytics, we provide more personalised services, enabling customers to enjoy a seamless, consistent, and convenient experience across all touchpoints such as mobile app, website, or offline channels.

- CXT has received international recognition, winning the Special Award for Customer Experience in Hong Kong at the 2025 IDC Future Enterprise Awards. This recognises CLP's efforts to drive innovation and deliver customer-centric digital solutions.

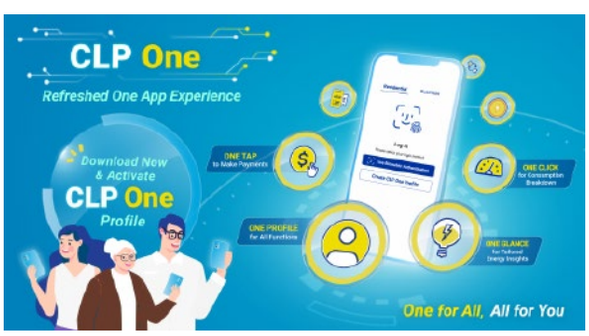
CLP One New Services

- At the core of the programme is the refreshed **CLP App**, designed around integrated functionality and simplified navigation. Its intuitive interface enables customers of all age groups to use it with ease, reflecting the principle of "technology serving people".

- Customers can login to their CLP One account easily using their mobile number, email address, Facebook account, Apple ID, WeChat or iAM Smart account, and start experiencing the CLP e-Journey. CLP One allows one stop management of all electricity accounts, including eMobility account.

- The enhanced CLP App offers a wide range of self-service functions, including online move-in applications, consumption management, bill checking and payment. Customers enrolled in the EV Residential Time of Use Tariff can charge their electric vehicles during off peak hours at lower energy rates via CLP One, achieving both convenience and cost savings.

- Customers can use the CLP App to view bills that show changes in electricity consumption, and receive personalised energy-saving insights to optimise usage and reduce expenses. It also features the "Power Kid" chatbot, offering 24/7 instant enquiry support to enhance the overall customer experience.



Download the CLP App

App Store

Google Play

- Through the CLP App and website, customers can participate in a variety of online activities or adopt e-service to earn points, which can be redeemed on the online **Domeo** platform for rewards or purchase energy-efficient appliances.

- Useful information including energy-saving tips, locations of CLP Customer Service Centres, service hotlines, and information on nearby charging facilities for electric vehicles are also available at CLP App and CLP Website.



DOMEO 度度賞 powered by CLP

eBill Notifications and Mobile Payment Services



- **eBill notifications** will be sent to customers via CLP App and email, which not only reduces paper usage but also helps protect our environment. Customers can also log in to the CLP App or website to track their billing and payment history up to the past 14 months, and sign up for receiving eBill notification and payment reminder.

- Customers can settle their electricity bills conveniently via the CLP App by using QR codes for AlipayHK, WeChat Pay HK, or Faster Payment System (FPS), which link to their bank mobile apps. They can also use the App to App fast payment function of PPS and FPS for quick and easy bill payment.

Enhancing Customer Experience with Cutting-edge Technology



- At the end of 2022, CLP's Customer Interaction Centre introduced a Data-driven Operation Model. Leveraging on machine learning algorithms and integrating big data analytics and artificial intelligence (AI) technology, the system analyses previous customer enquiry data, and predicts the peak times, categories, and volume of customer enquiries. This helps the Centre flexibly allocate customer service manpower to enhance work efficiency and service quality.

Helping Senior Customers Adopt Digital Technology



- CLP has launched the Smart E Living initiative to support senior customers embrace digital living with ease through a range of online and offline initiatives. On the digital front, both printed and electronic user guides are provided, alongside a "Large Font Mode" in the CLP App to facilitate easy access to services for the elderly. Offline, "Elderly Care Ambassadors" are stationed at customer service centres, complemented by smartphone workshops, anti-scam information, and barrier-free facilities. A dedicated customer hotline is also available. Trained staff handle enquiries in a clear, step-by-step manner, helping elderly customers build confidence in using digital tools and enjoy the convenience bought by technology.

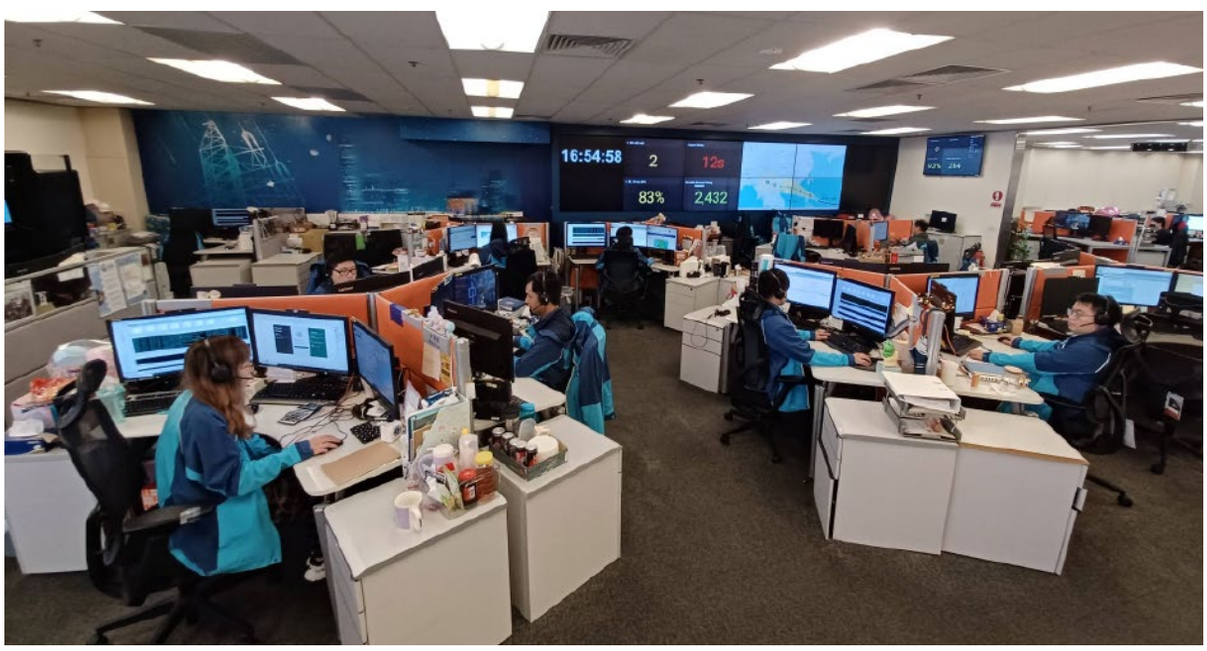
Enhance Home Safety for the Elderly through Leveraging Smart Meter Data

- To support the government's promotion of gerontechnology and ageing in place policies, CLP has launched the **Community Watch & Care Service Pilot Programme**. By analysing the smart meter electricity consumption data, the pilot enables the timely identification of irregular usage patterns among elderly customers and alerts social workers and carers for follow-up, allowing them to provide timely and appropriate support and offering an added layer of protection.



Customer Service Hotlines

- A **Customer Service Hotline (2678 2678)** attends to customer enquiries related to their electricity accounts.
- A **24-hour Emergency Hotline (2728 8333)** is dedicated to handling customer enquiries on supply interruptions, planned outages, voltage fluctuations, cable damages and dangerous wiring.
- To enhance service flexibility and convenience, customers can use the eForms to manage account matters, including self-report meter reading, apply for renewable energy schemes, or enquire about energy-saving products and services.



Customer Service Centres

- CLP's Customer Service Centres are conveniently located at Kowloon and the New Territories to meet different needs of residential and business customers.

Customer Service Centres	
Smart Energy@Mong Kok	▪ The five-storey building serves as CLP's flagship store that promotes low-carbon living and electric cooking.
Smart Energy@Kwun Tong	▪ It promotes energy efficient electrical appliances. The Centre introduces self-service technologies to facilitate the electricity service application and billing enquiries. Grab & Go machines and Pay & Go lockers are also available to provide you a more flexible shopping experience.
Smart Energy@Sham Shui Po	▪ Customers can purchase energy efficient appliances and also learn more about green living.
Smart Energy@Tai Po	▪ It promotes the latest energy efficient home appliances. The electric vehicle zone allows customers to experience the benefits of eMobility through interactive learning games.
Smart Energy@Yuen Long	▪ It promotes smarter and greener lifestyles. You can also try various smart mobile services at the Centre, so as to get a taste of smart living.

- Link to reference information: **CLP Customer Hotlines and Customer Service Centres**









Performance Pledges

- CLP keeps pace with evolving customer needs and is committed to delivering high quality services while continuously enhancing productivity and operational efficiency. **We establish an annual performance pledge and regularly review and report our performance**. Our service excellence has been widely recognised by the community, earning numerous awards and accolades.

- Organised by **Hong Kong Customer Contact Association (HKCCA)** and **Contact Centre Association of Asia Pacific (CC-APAC)**, CLP won 30 corporate and individual awards in the **Hong Kong Customer Contact Association Award and Contact Center Association of Asia Pacific Regional Awards 2025**, including the CC-APAC Best Employee Engagement Contact Centre Silver Award, the Greater China Contact Centre Alliance Recognition Award, the HKCCA Mystery Caller Assessment Award (Public Services and Utilities) Best-in-class, together with 10 Gold awards, 9 Silver awards, and 8 Bronze awards.

- In 2026, CLP team won 7 awards in the **Customer Service Excellence Award 2025** organised by **Hong Kong Association for Customer Service Excellence**, including the Team Award - Counter Service Award and Field & Special Service Award, the Programme Award - Customer Retention Award, Digital Transformation Award and Outstanding Customer Service Award, the Top 5 Young Stars of the Year Award, and the Individual Counter Service Award.

- CLP strives to achieve the service targets pledged to our customers. The table below shows our 2026 targets and 2025 performance.

Performance Standards	2026 Targets	2025 Results
Reliability of electricity supply	>99.99%	✓
Notify customers 3 working days in advance of planned outage	>99%	✓
Average arrival time for loss of supply inspection	<28 minutes#	✓
Average supply restoration time after fault outage	<2 hours#	✓
Provide appointments for installation inspections within 3 working days	96.50%	✓
Carry out site investigations on consumption enquiries within 3 working days	98%	✓
Keep appointments to visit customers for supply applications within a 1.5-hour time slot	99.8%	✓
Connect and supply electricity within the same day after satisfactory installation inspection	99.98%	✓
Reconnect supply within the same day of payment of outstanding charges	95%	✓
Answer Emergency Service Hotline by Customer Service Officer within 20 seconds	90% of answering time	✓
Answer Enquiries Hotline by Customer Service Officer within 20 seconds	80% of answering time	✓
Average queuing time for customer service enquiries at Customer Service Centres	Within 3.5 minutes	✓

✓ Target met

Excluding incidents occurred during major events which are specified in the Scheme of Control Agreement.

Customer Engagement

- CLP understands the importance of listening to our customers, who come from all walks of life, because their opinions help us continuously improve our services. In 1992, CLP established the **Customer Consultative Group (CCG)** with the support from the Consumer Council by inviting members from a wide spectrum of customers. CLP was the first public utility company in Hong Kong to form a CCG. With the expansion of our customer base and the variety of services offered, the number of CCG members has increased from 5 to 15.



- The main purpose of CCG is to further enhance the relationship between CLP and its customers, improve customer services, address the ever-increasing demands of customers, and ensure that customer complaints are handled properly.

- Following the success of CCG, CLP formed **Local Customer Advisory Committees (LCACs)** in 1994 to strengthen our connection with the community. Members of the LCACs include representatives from different customer segments, such as management professionals, resident associations, community leaders and members of rural committees. Currently, there are 14 LCACs in CLP's supply area.

- Each LCAC meets periodically to offer advice on CLP's customer service and to collaborate with CLP on various community services. Over the years, this well-established communication channel between CLP and local communities has effectively reflected customers' expectations in a timely manner.



10 COMMUNITY COMMITMENT

Care for Our Community

- The success of CLP as a business is closely linked to the well-being of the community we serve. At CLP, we deliver reliable and safe electricity at reasonable tariff with minimal environment impact. We also **contribute positively to the community of Hong Kong**.
- Our community commitment initiatives focus on four areas: **community well-being, environment, education and development**, as well as arts and culture. We work closely with local NGOs and community groups to **identify evolving social needs** and to devise programmes that will have long-lasting impact.
- Over the years, we contributed our **skills, expertise and resources** in our community activities which have improved people's quality of life.

Our Flagship Programmes

CLP Hotmeal Canteens

- We are continuing our efforts in enhancing community well-being. In 2011, CLP launched **Hotmeal Canteen**, serving hot meals to the underprivileged at a nominal cost. A total of **over 1.2 million** hot meals have been provided to the community as of June 2026.
- CLP has partnered with Po Leung Kuk to provide CLP Hotmeal Canteen service in Sham Shui Po, Kwun Tong and Kwai Tsing. The Canteens provide nutritious hot meals at discounted prices to low-income families, unemployed people, and elderly people in need. The service also includes meals for people with special dietary requirements and conditions such as diabetes.
- CLP volunteers regularly assist in serving meals to diners at the canteens and organise special themed activity days to encourage canteen users to take part in physical exercise, handicraft workshops and social activities, delivering warmth and care to the community.





- Through CLP's own publicity channels, such as CLP website, bill insert and CLP eBill, the Hotmeal Canteen programme has been well received with strong public support, generating **nearly HK$12 million** in donations from customers and members of the public as of June 2026.



CLP 125 Cheers Programme

- To mark CLP's 125th anniversary, the **CLP 125 Cheers Programme** was launched in 2026. In partnership with the New Territories Association of Societies, the Kowloon Federation of Associations, Hong Kong Volunteers Federation, Tung Wah Group of Hospitals, Po Leung Kuk, Pok Oi Hospital, Yan Chai Hospital, Lok Sin Tong and Yan Oi Tong, the programme was held from June to November and invited over 2,000 elderly singleton and elderly couples living within CLP's supply area to step out into the community. Accompanied by CLP volunteers, they take part in over 20 tea gatherings to experience care and warmth, helping to strengthen social inclusion and further promote a culture of compassion.





Sharing the Festive Joy Programme

- CLP launched the **Sharing the Festive Joy programme** in 2014, inviting elderly people living alone, elderly couples and people in need to celebrate festive occasions such as the Tuen Ng Festival, Mid-Autumn Festival, and Senior Citizens Days with CLP volunteers. The programme helps spread warmth and care while promoting energy efficiency and electrical safety messages. CLP volunteers also accompanied the elderly to visit the beautified distribution boxes and substations and provided digital classes to teach common mobile applications, enhancing their confidence in connecting with the community.











- In 2024 and 2025, the programme offered upcycling workshops where elderly participants learned how to repurpose used items into daily necessities and gained an understanding of waste reduction at source. The activities helped enhance environmental awareness and promote life-long learning.
- To date, CLP volunteers have celebrated festivals and shared energy-saving tips with **more than 21,000 elderly and the grassroots participants.**

Promoting Energy Conservation in the Community and Providing Assistance to the Disadvantaged

- CLP is committed to promoting energy efficiency and conservation to our residential and business customers through **public education, community programmes** and **subsidy programmes**; and at the same time, CLP is devoted to offering assistance to the disadvantaged and low-income families.
- Under the current Scheme of Control Agreement, a **CLP Community Energy Saving Fund (CEFS)** began operations in 2019. It is funded by 65% of the incentives earned by CLP from achieving energy-saving targets.

CLP Community Energy Saving Fund

- CLP allocated more than HK$270 million from the **CESF** to launch a range of community support programmes in 2026, to promote energy-saving and decarbonisation across society, boost Hong Kong's economy, and support the underprivileged. The key programmes include:
  - The **CLP Community Green Programme** comprises four subsidy schemes:
    - **Subvented Organisation Energy Saving Improvement Scheme** to provide eligible government subvented organisations with one-stop energy services, including free energy audits and recommendations for energy efficiency improvements, and funding for implementing the recommended energy improvement works;
    - **Energy Efficient Appliance Replacement Scheme** to subsidise elderly people and the underprivileged in replacing energy-efficient window-type inverter air conditioners, electric water heaters, refrigerators, and washing machines, thereby helping to reduce household energy expenses;
    - **Community Energy Efficiency and Electrical Safety Enhancement Programme** to subsidise the upgrading of electrical installations in communal areas of old residential buildings, testing electrical equipment for buildings in need and recommending cost-effective solutions to improve electrical safety and energy efficiency;
    - **Subsidy Programme for Community Living Rooms** to serve subdivided unit households by funding energy-efficient appliances and education resources relating to energy saving and conservation. The projects cover both Social Welfare Department-accredited projects and non-accredited initiatives with the same social purpose.
  - Launching the **CLP Electricity Subsidies for the Underprivileged Families Programme** to provide electricity subsidies of HK$600 to each of around 73,000 eligible households, including single elderly people and elderly couples aged 65 years or above, low-income families, and people with disabilities, as well as electricity subsidies of HK$1,000 to each of the tenant of subdivided units (SDUs).
  - Continuing the **CLP Retail and Catering Coupons Programme** and providing coupons with a total value of HK$100 to each of around 600,000 households, including residential customers with low electricity consumption and elderly customers receiving tariff concessions.



  - Continue running the **E-learning Assistance Programme** to support the e-learning needs of students. Since its launch, new e-learning devices were distributed to over 7,000 primary, secondary schools and tertiary students from underprivileged families.



- Continuing the **CLP Electrical Equipment Upgrade Scheme** to provide subsidies for commercial and industrial customers, particularly small and medium-sized enterprises, to install or replace more energy-efficient electrical equipment such as lighting and air conditioning systems to improve their energy efficiency and reduce their operating costs.

- Launching **Cool Home Pilot Programme** to subsidise underprivileged households to apply sun control film on windows to lower indoor temperature, and purchase air circulator fans to enhance ventilation, reducing the use of air conditioners during hot summers and saving electricity costs.



- Continue encouraging residential customers to save energy year-round through the **CLP Power Connect Programme**.



Alleviating Tariff Pressure

- **Energy Saving Rebate Scheme**: An energy-saving rebate CLP has been providing to low-consumption customers since 2013. Residential and SME customers consuming 400 units or less per bill are eligible to enjoy the rebate.

- **Concessionary Tariff for the Elderly**: A rebate CLP provides to eligible elderly customers aged 60 or above who live either alone or with other similarly qualified elderly, and who are relying on or entitled to Comprehensive Social Security Assistance. They can enjoy half-price for the first 400 units of electricity consumed in each two-month billing period plus an exemption of the minimum charge per bill.

CLP's other community programmes launched in the past years

CLP Volunteer Team

- Employee involvement is a very important part of the success of our community projects. The **CLP Volunteer Team** is one of the largest corporate volunteer teams in Hong Kong. It was **found in 1994** by a group of frontline staff who provided free rewiring services to underprivileged elderly people. Today, it comprises **more than 1,800 employees and retirees along with family members and friends**. Senior CLP executives lend their enthusiastic support to the team and actively participate in volunteer services. CLP also encourages staff to bring their family members and friends along for volunteer work, fostering greater compassion in the community.

- CLP volunteers provide support to the community initiatives led by CLP and other organisations. These initiatives include:

  - Organising workshops on electrical safety; and energy efficiency, as well as caring visits and a range of other activities for people in need;
  - Conducting rewiring work for elderly households;
  - Training elderly people as docents and organising guided tours for beneficiaries to learn about the history of power industry and Hong Kong community;
  - Actively participating in CLP community programmes, including CLP Hotmeal Canteens and Sharing the Festive Joy Programme;
  - Knitting scarves for people in need;
  - Engaging with students with special educational needs through various activities;
  - Supporting fund-raising activities for NGO partners, such as food donation drive, wheelchair carnival, charity run, city orienteering race.









- In 2025, CLP fully supported and sponsored the 15th National Games, the 12th National Games for Persons with Disabilities, and the 9th National Special Olympic Games (Hong Kong), enabling the use of zero-carbon electricity across all competition and operation venues in Hong Kong. The CLP Volunteer Team had representatives participating as volunteers, supporting these mega national sports events. CLP Volunteers also responded swiftly to support households affected by the devastating Tai Po fire.

- We encourage our employees to take part in volunteering work. Employees can apply for a one-day Wellbeing Leave for community service rendered during a normal working day to participate in projects run by the Company or recognised voluntary service organisations.



Year of Award	Key Social Performance Awards Received by CLP	Organiser(s)
2025	▪ Caring Company 2024/25 Leading Performance ▪ Caregiver — Friendly Company ▪ Hong Kong Volunteer Award 2025 — Corporate (Volunteer Hour) Gold Award	The Hong Kong Council of Social Service Home and Youth Affairs Bureau and the Agency for Volunteer Service
2023	▪ Outstanding Corporate Award in the Hong Kong Volunteer Award 2023 ▪ Hong Kong Volunteer Award 2023 — Corporate (Volunteer Hours) Sliver Award	Home and Youth Affairs Bureau and the Agency for Volunteer Service
2022–2025	▪ 20 Years Plus Caring Company Logo	The Hong Kong Council of Social Service
2022	▪ Outstanding Corporate Award in the Hong Kong Volunteer Award 2022 ▪ Hong Kong Volunteer Award 2022 — Corporate (Volunteer Hours) Gold Award	Home and Youth Affairs Bureau and the Agency for Volunteer Service
2022	▪ Jockey Club Age-friendly City Partnership Scheme 2022 Logo	The Hong Kong Jockey Club Charities Trust
2022	▪ Excellence in Construction Industry Volunteering Collaboration — Gold Award ▪ Excellence in Construction Industry Volunteering Project — Merit Award ▪ Most Supportive Organisation	Construction Industry Council



Public Education and Youth Engagement

- We firmly believe in the importance of public education and knowledge sharing for the continuous development of our businesses as well as a sustainable future. Over the years, CLP has launched a host of educational initiatives, covering the entire education pathway, from kindergarten to primary, secondary and tertiary education. Our visitation facilities are open to public, guests including shareholders, government officials, Legislative Council members, professional groups, business counterparts, community leaders as well as students.

For Kindergarten Education

POWER YOU Kindergarten Education Kit and Related Outreach Activities



- In 2016, CLP launched an electricity-themed **POWER YOU Kindergarten Education Kit** and delivered to 1,000 kindergartens for free. It aims to spark interest among kindergarten students in the work of electricity, to give them the basic knowledge about energy and teach them good habits in energy efficiency.



- The cartoon character team, **POWER FOUR**, comprises of the main character Power Kid, together with Professor K, Lululu and yy Boy. A series of **3D cartoon videos on the Power Kid Channel** feature their daily lives to help young children explore the world of electricity and acquire the knowledge of energy-saving, power safety and low-carbon living in a fun and engaging way. The accumulated viewership of over 57 million has been recorded so far for the whole series of 14 episodes.



- In 2019, an updated Education Kit with enriched content was sent to around 1,000 kindergartens for free again. A new board game, **"Low Carbon City Planner"**, was developed in 2024 and extended its reach to over 500 primary schools. This coding-based board game aims to enhance young children's logical thinking and problem-solving skills through learning about energy conservation, low-carbon living, and waste reduction. The Education Kit also comes with an e-version, Power Kid App, enabling parents to accompany their children in learning at home anytime.





- In 2026, CLP further enhanced the Education Kit by introducing the Power Kid Reading Pen and Storybook Series, which were distributed free of charge to nearly 1,000 kindergartens across Hong Kong. Through audio narration, sound effects and interactive features, the new learning materials incorporate concepts of electricity, energy saving and low-carbon living into everyday scenarios, helping children develop low-carbon habits from an early age.

- As an extended activity, CLP young engineers and graduate trainees have visited the kindergartens since 2017 to introduce power generation journey, safe use of electricity, work life of engineers and energy-saving tips. Over 64,000 children in more than 880 kindergartens were reached out so far. CLP also participated in Hong Kong Book Fair, where the public learnt about energy-saving and low-carbon lifestyle through fun and interactive games at CLP booth in the Children's Paradise zone.







For Primary School Education

Green Studio - Multi-Purpose Vehicle

- CLP **Green Studio** (GS) has toured around primary schools and local communities since 2009. The two Multi-Purpose Vehicles (MPVs) enhance public's understanding of climate change and spread green messages using different multi- media technologies including 4D movie, immersive cinematic experience and interactive educational games.

- Equipped with a unique seagull-wing design and an open stage platform, the MPV2 can be transformed into a mobile service station, allowing visitors to experience CLP's latest products and services, and encouraging them to adopt a low-carbon living.



Green Studio - Multi-Purpose Vehicle

Public Education

'Understanding Nuclear Energy' Animated Video Series

- CLP developed a series of **'Understanding Nuclear Energy' animated videos** in partnership with the Nuclear Division of the Hong Kong Institution of Engineers. The videos aim to enhance understanding of nuclear energy in a simple and engaging way, helping the public and students to understand its importance in enabling Hong Kong to achieve its carbon neutrality goal.

- The four animated videos introduce the science of nuclear energy, covering nuclear power generation, radiation in daily life, how nuclear power helps address climate change and nuclear safety.



'Understanding Nuclear Energy' animated videos

Home Electrical Safety & EE&C Community Talk

- CLP launched the **Home Electrical Safety & EE&C Community Talk** in collaboration with the Home Affairs Department. In 2025 and 2026, CLP engineers and ambassadors conducted more than 50 seminars on household electrical safety and energy-saving across 14 districts within the CLP supply area. These seminars aimed to enhance public awareness of electrical safety, provide practical energy-saving tips, and offer guidance on handling unexpected power incidents. Over 10,000 people joined the seminars.



Care Team Home Electrical Safety Training

- In 2025 and 2026, CLP collaborated with the District Offices in all 14 districts within its supply area to provide electrical safety training for Care Teams. The training enhanced the team members' knowledge of electrical safety, taught them how to use basic tools to perform simple checks on household electrical installations, and helped them identify potential electrical safety hazards at home at an early stage and learn the proper ways to address them.



Social Inclusion Programme

- CLP has partnered with the Vocational Training Council to launch the **Social Inclusion Programme**, connecting young people and seniors through mutual learning. Younger participants help seniors build confidence in using digital and AI tools, while seniors share life experience and wisdom. It promotes intergenerational inclusion, active ageing and community wellbeing, while advancing AI-enabled cognitive health support to help build an age-friendly and inclusive city in line with the HKSAR Government's vision.



Youth Engagement

- At CLP, we see engaging young people, from early teens who are in junior secondary education to undergraduates in tertiary institutions, as a key focus area of our community initiatives. Initiatives targeting this group, as they move along the education pathway, are launched with the objectives to stimulate early interest in power engineering, offer alternative career paths and opportunities for academic, vocational and professional education and training (VPET), so as to facilitate their career development and upward mobility.

Mainland Study Tours to Daya Bay Nuclear Power Station Arranged by Education Bureau

- CLP and Daya Bay Nuclear Power Operations and Management Co., Ltd. fully support the Mainland study tours of the subject of Citizenship and Social Development organised by the Education Bureau. The Mainland study tours have included visits to Daya Bay Nuclear Power Station since 2024/25 academic year, enabling secondary students to learn about the importance of nuclear energy in achieving decarbonisation goals and sustainable development, as well as nuclear safety and the development of the nation's nuclear industry.





Engineer in School

- CLP's Engineer in School programme was launched in 2016 to enhance junior secondary school students' understanding of the power engineering profession and get them prepared for their career planning. Through visitations to CLP facilities, school talks by engineers and STEM workshops, the programme wishes to increase students' knowledge in decarbonisation, environmental protection and energy conservation, and also to inspire their interests in engineering profession. Since its launch, the programme has benefitted nearly 80,000 students from over 270 schools.







Community Beautification Project

- CLP's Community Beautification Project aims to connect art with people and the community. CLP teamed up with local artists and NGOs to beautify distribution boxes and substations in its supply area in Kowloon, the New Territories and the outlying islands.

- As one of the 125th anniversary celebratory initiatives, CLP has beautified Shing Kai Road Substation near the CLP Headquarters, turning it into a vibrant public art space. Murals on the substation's exterior depict the past and present of Kai Tak and Kowloon City, reflecting CLP's longstanding ties with the community and turning the facility into a new landmark in the Kai Tak Development Area. In addition, nearly 3,000 kindergarten and primary school students participated in the "CLP Substation Beautification Colouring Competition". Students added vibrant colours and showcased their creativity by incorporating energy-saving and low-carbon ideas, enhancing their artworks with eco-friendly elements. A total of 125 distribution boxes and 11 substations have been beautified under this initiative.



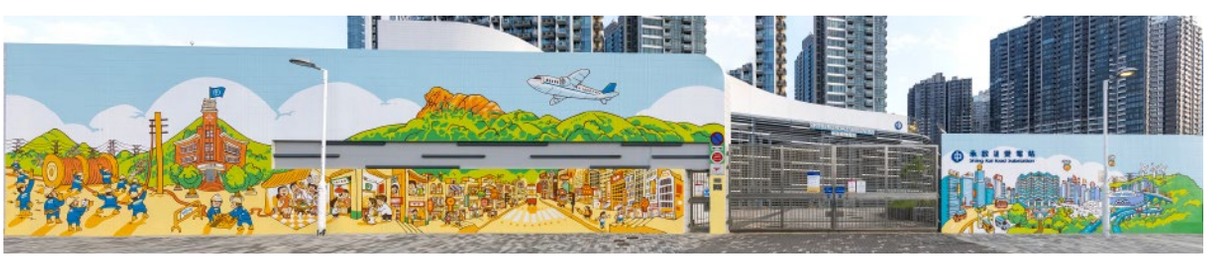












CLP Supports CSD's Rehabilitation Programme

- CLP Power has supported the Correctional Services Department (CSD) 's rehabilitation programme in a holistic approach. Courses and career talks, interview skills workshop and experience sharing sessions are organised for nearly 300 young people in custody to equip them with knowledge in power industry.

- Visitations, special internship programme and employment opportunities were also offered for the teens to assist them in planning for their career and reintegrating into the society.

- CLP Power was presented once again with an Outstanding Rehabilitation Partners Award by CSD which recognised CLP Power for providing rehabilitation opportunities to young people in custody and helping to build a more inclusive and harmonious society.





The Strive and Rise Programme

- CLP supports the Government's Strive and Rise Programme for four consecutive years by nominating CLP colleagues, including graduate trainees, young engineers and other representatives from various business units, to join the mentorship programme as mentors. The mentors are paired with junior form underprivileged students and provide them with advice on life and study via a wide range of activities including visits to CLP facilities. Our efforts have again been recognised, with CLP being awarded the Supporting Organisation Award for the third consecutive year.



Initiatives to Stimulate Interest in Power Engineering

- CLP set up a cable jointing workshop at **St. James' Settlement Career Sparkle Centre**. The workshop aims at giving senior secondary students the first-hand experience on the craftsmanship of power industry and inspiring their interest in the power industry to help promote the engineering careers.

- In collaboration with the Hong Kong Federation of Youth Groups, CLP has been the Energising Partner of the **CLP Energy for Brighter Tomorrows Award** for eight consecutive years since 2018. CLP each year awarded scholarships to 20 secondary students who have overcome adversity in life, remained positive and dedicated to driving a better future. The awardees also joined a year-long mentorship programme in which guidance by CLP mentors was provided for the awardees' further growth and development.



Initiatives to Introduce Power Engineering as a Career of Choice

- CLP collaborated with industry, community partners and NGOs in various programmes to reach out to the youth, introducing power engineering as a career of choice and training opportunities in the industry. These programmes include:

  - **Power the Youth Expedition** – Launched in 2025 in support of patriotic education, the programme has taken Hong Kong students to Shandong and organised reciprocal visits with teachers and students from Zanhuang, Hebei. Through visits to CLP's energy facilities, participants deepen their understanding of new quality productive forces and the nation's energy transition.

  - **Hong Kong Trade Development Council Education and Careers Expo** – CLP joined hands with the other 18 members of the Hong Kong Electrical and Mechanical Trade Promotion Working Group (the Working Group) to showcase the electrical and mechanical (E&M) industry, highlight CLP's training programmes and recruit technical trainees for CLP.





  - **E&M Go!** – CLP initiated and co-organised the E&M Go! function with the Working Group from 2017 onwards, to welcome new recruits of young entrants to the E&M industry, and at the same time reinforcing the opportunities as a professional and skilled workforce.

Opportunities for Vocational and Professional Education and Training

- **CLP Power Academy** has become an important building block for CLP's youth engagement framework since it was established in 2017. It expanded CLP's well recognised and structured internal training programme to the E&M industry. It aims to become the leading vocational-based academy for power engineering, bridging the gap between career training and higher education, providing industry practitioners with the necessary professional and accredited qualifications, paving way for their career advancements. It also provides an alternative runway for youths with the necessary vocational and professional education and training (VPET) path. In collaboration with various tertiary institutions, CLP Power Academy offers a complete articulation pathway from short-term training courses to Diploma, Professional Diploma, Bachelor's Degree and Master's Degree in the electrical, and mechanical engineering, as well as engineering project management aspects in part-time mode.
- The Academy will continue to launch more professional training programmes, and explore the integration of new technologies into its curriculum, with the aim of nurturing outstanding power engineering talents both locally and across the Greater Bay Area.



CLP Internship Programme and Scholarships for Tertiary Students

- CLP Internship Programme offers full-time hands-on work experience for tertiary students studying different disciplines during the summer vacation or for a 12-month period. Moreover, CLP offers a number of scholarships every year to outstanding engineering students from local tertiary institutions, and provides opportunities for some of the scholarship awardees to join the CLP Internship Programme and experience the work life of engineers.
- See also Chapter 11 on **People Development.**

Our Key Visitation Facilities

- CLP offers a wide range of exhibition and education facilities to share knowledge with the public and provide value-added services to customers. Members of the public are welcome to visit these facilities and interactive platforms, to learn about CLP's energy business, fuels, and energy efficiency.

- For more information on visitation facilities: **Visit to CLP**

CLP Power Low Carbon Energy Education Centre	▪ CLP has sponsored the City University of Hong Kong to set up a **CLP Power Low Carbon Energy Education Centre** on campus, where visitors can learn about the importance of low-carbon energy in addressing the challenge of climate change. Various exhibition zones are connected by an array of multimedia and interactive elements, illustrating the complex scientific concepts and generation principles of different kinds of energy in an interesting and vivid manner. The Centre provides free onsite or online guided tours and a variety of educational workshops to offer visitors an inspiring and enlightening learning experience.
CLP Pulse	▪ Built in 1940, the CLP clock tower served as CLP's headquarters for more than seven decades. This magnificent landmark was graded as a Grade 1 historic building in 2018. Following its revitalisation, it was transformed into **CLP Pulse**, which promotes heritage, culture and green education. CLP Pulse features three regular exhibitions. **ElectriCity** traces the history of Hong Kong's electricity development; **Our Home · Our History** tells the story of the Kadoorie Family. Both exhibitions showcase the contributions of electricity and the Kadoorie Family to Hong Kong's development. **Living Craftsmanship** introduces items of traditional craftsmanship presented by the Intangible Cultural Heritage Office. CLP Pulse offers a wide range of programmes and experiential activities for the public, sustaining its decades-long bond with the Hong Kong community. ▪ To mark CLP's 125th anniversary, CLP Pulse presents the thematic exhibition *Echoes of Time* from October 2026 to April 2027. Open to the public with free admission, the exhibition features rare historic photographs and new interactive experiences that explore the intertwined development of electricity and Hong Kong, while offering visitors a glimpse into the future of smart city living.
Green Studio - Multi-Purpose Vehicle	▪ Green Studio environmental adventure tour welcomes primary schools and community organisations to experience the green adventure and learn more about environmental protection, climate change and energy conservation. Booking is available and free of charge.







CLP Pulse webpage

11 PEOPLE DEVELOPMENT

People-first

- CLP Power Hong Kong Limited employs about 4,411 staff members in Hong Kong (as of December 2025). As the energy market pivots to a low-carbon and digitalised future, CLP is committed to developing an inclusive and diverse workforce that is skilled for the future.

- CLP has a clearly-defined company policy towards people development and invests constantly in **training and development** to equip staff members with skills and knowledge in areas covering power engineering, digital technologies, AI applications, safety, business ethics, and leadership, allowing them to perform well in their current roles and nurturing talents for the power industry.

- CLP's commitment to people development is well recognised in the Randstad Employer Brand Awards. CLP was voted as the Most Attractive Employer in Hong Kong in 2016, 2018, 2019, 2022, 2023, 2024 and 2025. CLP was recognised as one of the world's 12 most attractive employers in 2019 and was inducted in the Global Hall of Fame for 2020/2021, becoming the first company in Hong Kong to receive this honour.

- Moreover, CLP has been continuously recognised by the Employees Retraining Board (ERB) as a "Manpower Developer" since 2010 for 10 consecutive years and was acknowledged as "Super MD" in 2020 (2020 to 2030).

- CLP makes dedicated efforts and continuous investment to promote knowledge management and an innovation culture. We are devoted to sustaining the specialised professional expertise of the power industry and encourage staff members to share their knowledge and experience. CLP has received the Hong Kong Most Innovative Knowledge Enterprise (MIKE) Award for seven consecutive years since 2018. We were also recognised by the Global MIKE Award from 2018 to 2023 and 2025. Competing with other outstanding international companies and institutions from Asia, Australia, New Zealand, and the Middle East, CLP was one of the award winners.

- CLP cares for people and organises various activities to cultivate a healthy and pleasant workplace. CLP was recognised with relevant awards by different organisations in 2025, including the "Excellent Employer of the Year", "Three-Year Recognition Award" and accolades in the aspects of Employee Wellness, Age-Friendly Workplace, Talent Policy Pioneer and Gen Z Attraction at the HKIHRM HR Excellence Awards; Grand Award – "Employer of the Year" (Triple Crown in the consecutive 3 years) by CTgoodjobs Best HR Awards; as well as the "Happy Company 10 Years+ Award" by "Happy@Work" co-organised by The Chinese Manufacturers' Association of Hong Kong and Promoting Happiness Index Foundation.

- In addition to supporting Equal Opportunities Commission's Racial Diversity & Inclusion Charter for Employers, CLP Power is honoured to be awarded as Disability Inclusive Employer at Caring Employer Medal 2025, a new initiative launched by the Labour and Welfare Bureau in response to the 2024 Policy Address. This award recognises CLP's commitment and actions in promoting and implementing effective disability inclusive practices, and in fostering a workplace culture that values diversity, inclusion and respect.

- CLP Group Provident Fund Scheme has been awarded by Asia Asset Management for "Hong Kong Best ORSO Scheme" and "Hong Kong Best Member Communications" awards over the years to acknowledge CLP's commitment to employees' retirement benefits.

- CLP has won the following engineering awards for its outstanding performance in power expertise:

Year of Award	Project / Expertise Area	Award / Recognition	Organiser
2026	Railway Transportation Decarbonisation Projects at MTR	▪ Energy Project of the Year – International	Association of Energy Engineers
2026	Sustainable Energy Management – Supporting Initiatives for Data Centre	▪ Corporate Energy Management – Runner Up	Association of Energy Engineers
2026	Generator Inspection Robot	▪ The 51st International Exhibition of Inventions Geneva ◆ Gold Medal ◆ Special prize – Best International Invention & Innovation from the National Research Council of Thailand	International Exhibition of Inventions Geneva
2026	Ho To West Substation Tuen Mun Eco Park Substation	▪ Final Platinum Rating under BEAM Plus New Buildings V1.2	Hong Kong Green Building Council
2025	E&M Maintenance Service in Castle Peak Power Station and WE Station	▪ Excellence in Innovation and Technology Adoption - Distinguished Achievement Award at the Outstanding New Engineering Contracts (NEC) Team Performance Awards 2025	Development Bureau
2025	Generation Central Laboratories	▪ Testing and Certification Manpower Development Corporate Award (Gold Award) at the Testing and Certification Manpower Development Award Scheme 2025-2026	The Hong Kong Council for Testing and Certification
2025	Learning Point Rewards Programme	▪ Campaign Awards – Silver Award ▪ Excellence in Cultural Change ▪ Excellence in Innovation	Hong Kong Management Association
2025	5G-powered Cooling Load Prediction System for Sustainable Shopping Malls at Nina Mall	▪ Gold Medal at the 50th International Exhibition of Inventions Geneva	International Exhibition of Inventions Geneva
2025	Innovative Optimisation Forecast Model	▪ Energy Project of the Year - International	Association of Energy Engineers

Year of Award	Project / Expertise Area	Award / Recognition	Organiser
2025	Ma Sik Road Substation Kwu Tung North Substation	▪ Final Platinum Rating under BEAM Plus New Buildings V1.2	Hong Kong Green Building Council
2024	Decarbonisation and electrification projects at Link properties	▪ Corporate Energy Management Award - Asia Pacific Rim Region	Association of Energy Engineers
2024	New gas-fired generation unit D2	▪ Asian Power Awards 2024 Gas Power Project of the Year - Hong Kong	Asian Power Awards
2024	Advanced Metering Infrastructure Programme	▪ Asian Power Awards 2024 ◆ Innovative Power Technology of the Year – Hong Kong ◆ Smart Grid Project of the Year – Hong Kong	Asian Power Awards
2024	Yuen Long Industrial Estate Substation	▪ Provisional Platinum Rating under BEAM Plus New Buildings V2.0	Hong Kong Green Building Council
2023	CLP Smart Energy Online	▪ Innovative Energy Project of the Year – Asia Pacific Rim Region	Association of Energy Engineers
2023	CLP Power Business Development Manager Ir Tony Chan Kai-Man	▪ Energy Engineer of the Year - Asia Pacific Rim Region	Association of Energy Engineers
2023	Shing Kai Road Substation	▪ Final Platinum Rating under BEAM Plus New Buildings V1.2	Hong Kong Green Building Council
2023	Distributed Energy Resource Management System Project	▪ Asian Power Awards 2023 Smart Grid Project of the Year – Hong Kong	Asian Power Awards
2022	Battery Energy Storage System	▪ Innovative Energy Project of the Year – International	Association of Energy Engineers
2022	Smart Direct Load Control Device Program for Residential Demand Response Management in Hong Kong	▪ Innovative Energy Project of the Year - Asia Pacific Rim Region	Association of Energy Engineers
2022	Ho To West Substation	▪ Asian Power Awards 2022 Gold Award in Transmission and Distribution Project of the Year	Asian Power Awards
2022	New gas-fired generation unit D1	▪ Final Platinum Rating under BEAM Plus New Buildings V1.2	Hong Kong Green Building Council

Internal People Development

CLP Power Learning Institute

- To meet the unique requirements of the power industry, CLP puts a particular emphasis on people development and skills transfer from one generation to the next. CLP established training school (now known as **CLP Power Learning Institute**) in 1966. Through systematic and practical training, it has since nurtured tens of thousands of engineering talents, who have gone on to play important roles and contribute to the power industry and Hong Kong's economic and social development.



- CLP Power Learning Institute has a wide range of world-class training facilities, providing training on power generation, transmission and distribution for engineering staff. It also provides non-technical training such as commercial, project management and leadership. Moreover, it provides training in big data, robotics, and coding to keep staff members abreast of the cutting edge of new technology, so as to further improve our service quality and operational performance.

- The Institute has a dedicated team to promote knowledge management and learning culture. In addition, the Institute coordinates the development of training strategy and delivery of training programme with an ultimate goal to uplift the standard of customer services and capabilities of our staff in the energy retail industry.

- Well-structured trainee programmes are provided to transform talented young people into seasoned technical experts. These programmes include:
  - Graduate Trainee Programme
  - Engineering Cadet Programme
  - Technician Trainee Programme



CLP trainees received their graduation certificates at the Graduation Ceremony upon completion of the trainee programmes

Training Facilities

- The world-class training facilities at the CLP Power Learning Institute give our employees the opportunity for hands-on experience of the design, operation and maintenance of the power generation, transmission and distribution facilities.

On Power Transmission and Distribution

- The Institute is well equipped with training facilities on power transmission and distribution including the Electrical Fitting Workshop, Cable Jointing Workshop, Electrical Installation Workshop, High-voltage Equipment Operations Training Centre, Simulated Primary Substation, Distribution Overhead Lines Training Poles, Transmission Training Towers, etc, offering trainees hands-on experiences.

- With a total area of 27,200 square metres, the Overhead Line Training School is the largest outdoor training venue of its kind in Hong Kong. The School has various transmission and distribution overhead line training facilities, allowing trainees to work and practise in a safe environment.





On Power Generation

- Situated within our power station, the Mechanical and Electrical Training Workshop is equipped with advanced facilities to provide comprehensive training to personnel in mechanical systems and electrical instrumentation. These skills are critical for the effective production and asset management of large-scale and complex generation units.



Application of New Technologies

- Keeping pace with the latest technology, the Institute introduces Virtual Reality (VR), Augmented Reality (AR), Mixed Reality (MR), gamification tools, Minecraft, as well as Immersive Cave Automatic Virtual Environment (CAVE), providing zero-risk and interactive training in a virtual environment simulating the real one.

- To improve learning experience, micro learning and digital learning are being used to enable anytime, anywhere learning and interaction with trainers through mobile devices.

Caring for Our Employees

- CLP cares for our employees and provides them with a safe, healthy, inclusive and diverse work environment that is free of discrimination or harassment on the basis of gender, physical or mental state, race, nationality, religion, age, family status or sexual orientation, ensuring everyone who works at CLP is treated fairly with respect.

Embrace Inclusion and Diversity

- CLP believes that a diverse workforce and inclusive workplaces foster better performance and innovation, and enhance our ability to contribute effectively to the community.
- The Inclusion and Diversity (I&D) Council reviews CLP team's progress in gender and racial diversity, and inclusion goals regularly. A gender affinity group has been set up to advocate for gender equality in the workplace, and provide insights to the I&D Council on issues related to gender inclusion and diversity.
- The company supports the career development of high potential female employees with diversified training programme to develop long-term career and take up leadership positions. CLP also sponsors selected managerial staff to participate in the Male Allies Programme organised by The Women's Foundation. Through engagement with professionals from different industries, participants share and learn best practices for raising awareness on gender equality, leveraging their influence to drive change, and help to close the gender gap.

Family-friendly Measures

- CLP has been implementing various family-friendly measures that help our staff achieve a healthy balance between work and life, including:
  - Implements flexi-hours, part-time working policy and working from home policy.
  - Provides various leave entitlements beyond the statutory requirements:
    - Wellbeing leave: one day (not statutory)
    - Maternity leave: 16 weeks (statutory 14 weeks)
    - Paternity leave: 10 days (statutory five days)
    - Marriage leave: five days (not statutory)
    - Compassion leave: three days (not statutory)
    - Adoption leave: 10 days (not statutory)
    - Auxiliary service training leave: five days (not statutory)
  - Provides lactation room to support female employees continuing breastfeeding after returning to work.
  - CLP Centenary Scholarship Programme has been established since 2001. After evaluation, children of employees with outstanding academic performance and whole-person achievements can receive scholarships. Starting from 2019, we have increased the quota for the children of our employees who are studying engineering at university or physics in high school, in order to encourage them to develop their interests and potential in related fields, while cultivating the next generation of talent for the power industry. Furthermore, "Resilience" was added as one of the assessment criteria starting 2026 in order to emphasise its importance for continuous personal development in a rapidly changing world.

Care for Employee Well-being

- CLP leverages various activities and events to promote the physical health, mental wellness, social health and financial well-being of our employees.
  - Organises various mental health workshops and training programme to uplift employee's capability in coping stress, enhancing resilience, and identifying early signs of mental health illness to make appropriate interventions;
  - Through Employee Assistance Program to arrange for professional team to provide advice on a wide range of personal, work or family related issues to our employees and their family members;
  - Organises financial talks to provide personal finance and provident fund information;
  - Organises various social, recreational and sports activities and interest classes;
  - Provide flexible medical scheme to fit individual needs of employees and their families; and
  - Provides various facilities including staff canteen and fitness room.

Nurturing Power Talents

CLP Power Academy

- To support the sustainable development of Hong Kong and to meet the growing demand for power engineering talents, CLP Power Academy (the Academy) was established in 2017. Being a vocational-based academy for power engineering, the Academy bridges the gap between career training and higher education. It also serves as an important building block for CLP to engage the younger generation by providing them alternative pathways to join the power engineering industry. Various part-time accredited programmes are offered to facilitate industry practitioners in their career development and professional techniques. This also helps ensure an adequate supply of competent engineering employees for the local power industry.

- CLP Power Academy has been working in partnership with local, Chinese Mainland and overseas tertiary institutions, such as the Vocational Training Council (VTC), the Royal Melbourne Institute of Technology University, The Hong Kong Polytechnic University's School of Professional Education and Executive Development, The Hong Kong University of Science and Technology, the University of Strathclyde, and Guangzhou Industry and Trade Technician College to offer part-time accredited programmes, ranging from short-term training courses to Diploma, Professional Diploma, Bachelor's Degree and Master's Degree in electrical and mechanical engineering, as well as engineering project management aspects. These programmes provide young people and industry practitioners multiple entry points to gain practical skills and to advance their career with a clear articulation path through continuous learning.

- At CLP Power Academy, classroom lectures are supplemented by practical sessions. Equipped with world-class training facilities and through applying the latest technologies such as Virtual Reality and Augmented Reality, the Academy gives students the opportunity for hands-on and practical experience of the design, operation and maintenance of different types of power facilities. Visits to power facilities and Work Experience programme are arranged to provide students with valuable experience of working in the power industry.

- In view of the integration and development of the Guangdong-Hong Kong-Macao Greater Bay Area, the Academy signed a Memorandum of Understanding with the VTC and Guangzhou Industry and Trade Technician College in October 2021, which aims to provide professional electrical engineering courses, and Training Courses for High Voltage / Low Voltage Electrical Workers, to help local engineering talent in grasping career opportunities in the Greater Bay Area. After completing the course, students could take exam to obtain the Special Operations License (High-Voltage) or (Low-Voltage) from the Chinese Mainland for work.

CLP Power Academy 中電學院

Programme Overview

Programme	Partner
Diploma in Power Engineering / Certificate for Junior Electricians	▪ Vocational Training Council
Diploma in Infrastructure Engineering (Electrical & Mechanical) /Certificate for Junior Mechanics	▪ Vocational Training Council
Diploma in Power Installation	▪ Vocational Training Council
Professional Diploma in Power Engineering (Power Systems Stream / Power Plants Stream)	▪ Vocational Training Council
Professional Diploma in Engineering Studies (Mechanical)	▪ Vocational Training Council ▪ Royal Melbourne Institute of Technology University (RMIT)
Training Course for Low Voltage Electrical Workers	▪ Vocational Training Council ▪ Guangzhou Industry and Trade Technician College
Training Course for High Voltage Electrical Workers	▪ Vocational Training Council ▪ Guangzhou Industry and Trade Technician College
Bachelor of Engineering (Honours) in Electrical Engineering	▪ School of Professional Education and Executive Development at the Hong Kong Polytechnic University
Bachelor of Engineering (Honours) in Mechanical Engineering	▪ School of Professional Education and Executive Development at the Hong Kong Polytechnic University
Dual Master's Degree (MPhil & MSc)	▪ The Hong Kong University of Science and Technology ▪ University of Strathclyde, Glasgow
MSc in Engineering Project Management	▪ School of Professional Education and Executive Development at the Hong Kong Polytechnic University

CLP Power Academy Brochure



Stimulate Interest in Power Industry

- CLP has launched various programmes to deepen young people's understanding and interest in the power industry, providing a talent pool for our sustainable growth.
- To enhance junior secondary school students' understanding of power engineering profession and strengthen their career and life planning, CLP launched the **Engineer in School** programme in 2016 through a series of activities including visitations to CLP facilities, school talks, and STEM workshops.
- CLP also works with various community partners to stimulate young people's interest in the power industry. A cable jointing workshop was set up at **St. James' Settlement Career Sparkle Centre**. Located at the centre's Engineering & Science Industries Experiential Area, the workshop enables senior secondary students to gain first-hand experience on the craftsmanship of the power industry.
- See also Chapter 10 on **Community Commitment** for other related programmes.
- CLP has taken steps to attract more females to join the power industry, including our Engineer in School programme and the Girls Go Tech Programme organised by The Women's Foundation. We send young engineers to secondary schools to deliver talks and organise activities, including power journey tour and job shadowing programme, with an aim to give students a chance to learn about the energy sector and the life as an engineer.
- Helps female university engineering students establish connections with industry professionals through the Female Engineering Students (FES) Mentoring Programme, hoping that the students can get ready and pursue their careers in engineering.

Academic Collaboration and Scholarships

- CLP has built long-term partnerships with local tertiary institutions and offers the **CLP Internship Programme** to identify and nurture new talents, and to attract potential students to join CLP when they graduate. The internship programme offers full-time training for students studying different disciplines either during the summer vacation or for a 12-month period.

- CLP has been collaborating with the Department of Mechanical and Aerospace Engineering at The Hong Kong University of Science and Technology to launch the University Co-op Programme, offering engineering students practical work experience to broaden their horizons.

- Starting from 2025, CLP offers internship opportunities to students referred by the Co-operative Education Office of The University of Hong Kong and the Career Center of The Hong Kong University of Science and Technology.

- CLP's internship programme offers students diverse internship opportunities and practical knowledge. Many students who participated in the programme have successfully been recruited by CLP as Graduate Trainees upon graduation.

- A number of **scholarships** are offered every year to outstanding engineering students at The University of Hong Kong (HKU), The Hong Kong Polytechnic University (PolyU), The Chinese University of Hong Kong (CUHK), The Hong Kong University of Science and Technology (HKUST), and City University of Hong Kong (CityU), as well as students who are studying electrical and mechanical engineering at the Vocational Training Council (VTC). Some of the scholarship awardees will join the CLP Internship Programme to experience the work life of engineers.





- **CLP Engineering Studies Award** provides sponsorship and mentorship to outstanding engineering students for their final year studies and to identify them early to join CLP as Graduate Trainees upon their graduation.

- CLP also supported VTC to establish the **CLP Power Engineering Laboratory** at Haking Wong Campus of the Hong Kong Institute of Vocational Education in 2021. The laboratory is equipped with advanced smart grid and high voltage training facilities, including Real Time Digital Simulator and Power Hardware in-the-loop testing platform, where power engineering students would benefit in learning the latest industry technologies. The laboratory also provides a training venue for public to obtain Grade H Registered Electrical Worker qualification accredited by EMSD.

- Since 2015, CLP has supported VTC to develop and deliver an Applied Learning Course for Electrical and Energy Engineering, enabling senior secondary students to understand fundamental theories and practical application of relevant subjects through diversified learning activities. We have also offered a scholarship scheme and internship opportunities for the students.

- CLP supported City University of Hong Kong in establishing a **CLP Power Chair Professorship in Nuclear Engineering**, which is the first of its kind among Hong Kong's higher education institutions with the aim to promote research excellence in the nuclear energy discipline, and to nurture more young engineering talents.

Tsinghua University's First "Undergraduate Practice Training Base" in Hong Kong

- CLP Holdings signed a strategic cooperation agreement with Tsinghua University in June 2025 to launch a new programme, offering Tsinghua University undergraduates opportunities to pursue internships in Hong Kong. This makes CLP **Tsinghua University's first "Undergraduate Practice Training Base" in Hong Kong**. Under the new agreement, 10 undergraduates from Tsinghua University's Ziqiang College will go to Hong Kong each summer starting in 2026 for four-week internships at CLP, gaining exposure to cutting edge fields such as advanced power systems, low-carbon energy technology, artificial intelligence and information technology.
- CLP's partnership with Tsinghua University began in 2009 when CLP contributed funding to establish the **"Tsinghua–CLP Education Fund"** to support Tsinghua University's Department of Electrical Engineering through scholarships, research grants and applied learning initiatives. Approximately 500 outstanding undergraduates and postgraduates have benefitted from the scholarships to date.
- Link to reference information: **CLP Training and Internship Programme**









12 CLP ON THE CHINESE MAINLAND

Background



Huaiji Hydro Power Station, Guangdong

- CLP entered the Chinese Mainland's energy market in 1979 when it started providing electricity to Guangdong.
- CLP is one of the largest external investors in the energy sector on the Chinese Mainland, focusing on clean energy generation. CLP also takes the role of a developer, investor, project manager and operator. Our business includes renewable energy such as wind, solar and hydro, as well as nuclear, coal and energy storage.
- Currently CLP has 60 projects on the Chinese Mainland, covering 14 provinces, autonomous regions and municipalities in eastern China (Jiangsu and Shanghai), southern China (Guangdong and Guangxi), south-western China (Guizhou, Yunnan and Sichuan), northern China (Shandong, Hebei, Tianjin and Inner Mongolia), north-eastern China (Jilin and Liaoning) and north-western China (Gansu).
- Link to reference information:
  CLP on the Chinese Mainland

Our Operations

Renewable Energy

- CLP has undertaken to support the country's dual carbon goals through continued development of renewable energy projects, including wind, solar and hydro.
- CLP's solar power stations on the Chinese Mainland are located across provinces including Gansu, Guangdong, Jiangsu, Liaoning and Yunnan. A number of these projects adopt innovative agrivoltaic and aquavoltaic models. For instance, the Xicun project in Yunnan and the Huai'an project in Jiangsu grow honeysuckles, melons, and fruits beneath the solar panels, while the Sihong, Yangzhou, and Huai'an projects in Jiangsu made use of abundant water resources to develop fish farms under solar panels, raising crabs, crayfish, and mandarin fish. These dual-purpose initiatives not only generate clean energy but also drive local employment and enhance agricultural productivity.
- Yixing Solar Power Station Phase I & II in Jiangsu, with a total installed capacity of 140MW, is CLP's largest solar project in operation on the Chinese Mainland. It integrates agrivoltaic, animal husbandry and aquavoltaic models within the solar farm, enhancing land use efficiency and delivering combined social, environmental and economic benefits.
- CLP's wind projects on the Chinese Mainland are distributed across Guangdong, Guangxi, Guizhou, Jilin, Shandong, Shanghai and Yunnan. Juancheng I Wind Farm in Shandong Province (300MW) is the largest wind farm connected to the grid in CLP Group's wind portfolio. To maximise energy output and operational efficiency, its wind turbine towers measure around 170 metres in height and are constructed in a hybrid design that combines concrete sections for the base and body with steel segments for the top part.
- Several wind and solar projects are equipped with battery energy storage systems. Commissioned in 2025, the 100MW/200MWh Guanxian Battery Energy Storage System (BESS) in Shandong province is CLP China's first independent BESS project.
- CLP's hydropower projects on the Chinese Mainland are located in Guangdong, Sichuan and Yunnan. Jiangbian Hydropower Station in Sichuan (330MW) is the largest among them.
- As of June 2026, CLP has invested in 60 energy projects across the country, with equity capacity of 7,910MW. The installed capacity of non-carbon energy accounts for about 75% of its total generation capacity on the Chinese Mainland.
- CLP is committed to providing green energy solutions by supplying the Power Purchase Agreement (PPA) and Green Electricity Certificate (GEC) to businesses and providing comprehensive support to customers in the pursuit of sustainability and environmental, social and governance (ESG) objectives.



Guanxian Battery Energy Storage System, Shandong



The aquavoltaic project at Yangzhou Gongdao Solar Power Station, Jiangsu

Pumped Storage Power Station

- Guangzhou Pumped Storage Power Station was constructed in two phases and has a total installed capacity of 2,400MW.
- CLP wholly owns the Hong Kong Pumped Storage Development Company Limited (PSDC), which provides it with the contractual rights to use 600MW, equivalent to 50% of the power generation capacity of Guangzhou Pumped Storage Power Station Phase 1 until the year 2034.
- CLP uses this contractual pumped storage capacity to support the operation of the power systems in Hong Kong and maintain a reliable electricity supply.



Guangzhou Pumped Storage Power Station

Nuclear Power Stations

- CLP's first major expansion beyond Hong Kong was our joint venture with China General Nuclear Power Corporation to develop and build the Daya Bay Nuclear Power Station (Daya Bay).
- Daya Bay was the **largest signature joint venture project** during the initial stage of the Chinese Mainland's Reform and Opening up.
- Operation began in 1994 and the two pressurised water reactor (PWR) generating units now produce around 15 billion kWh of electricity per year, of which 80% is exported to Hong Kong at present.
- The acquisition of a 17% equity interest in Yangjiang Nuclear Power Co., Ltd. from CGN Power Co., Ltd. was completed in December 2017. Yangjiang Nuclear Power Station has added over 1,100MW (on a 17% equity basis) of non-carbon emitting generation capacity to CLP's portfolio. Yangjiang Nuclear Power Station supplies its full capacity to the electricity market in Guangdong.



Daya Bay Nuclear Power Station



Yangjiang Nuclear Power Station

- Yangjiang Nuclear Power Station comprises six pressurised water reactors with 1,086MW each adopting advanced CPR1000 technology. The power station has maintained safe operating record since its commercial operation.

- Link to reference information: **Nuclear Energy — A Sustainable Choice for Powering the Future**

- See also Chapter 6 on **Cleaner Fuel Mix for Electricity Generation**.

Coal-fired Power Plants

- CLP currently only holds minority stakes in coal-fired assets located in Hebei, Tianjin, Liaoning and Inner Mongolia on the Chinese Mainland.