2025
Sustainability Report

Stock Code: 00002

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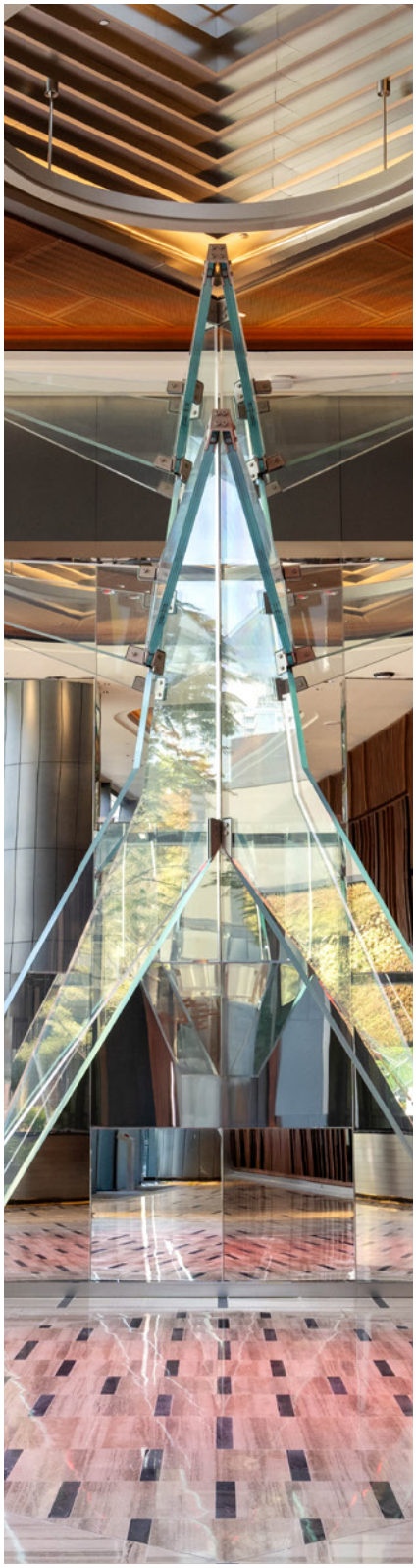
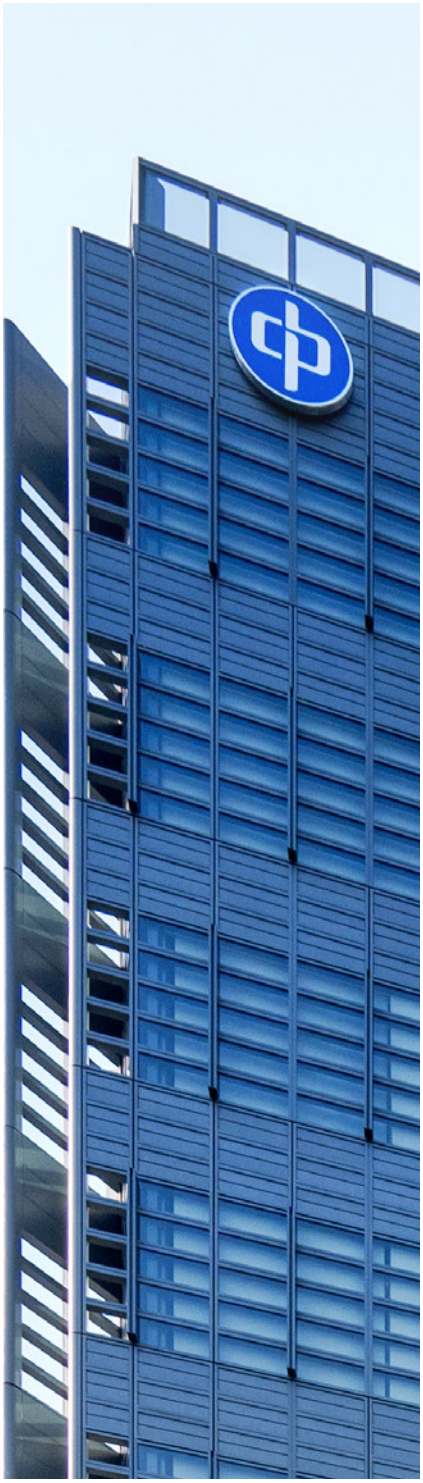
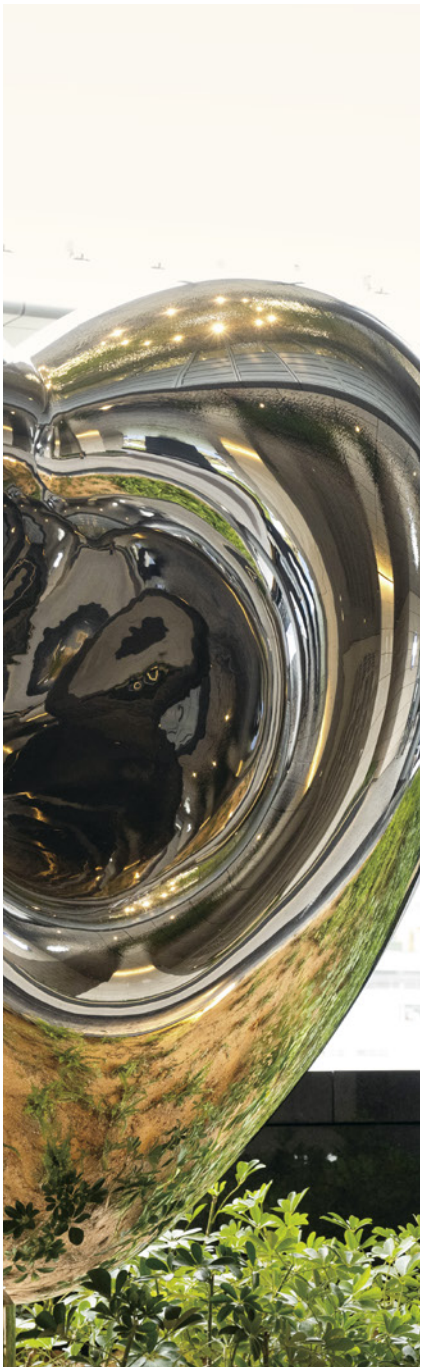
Power Brighter Tomorrows





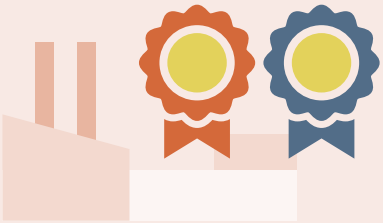


Community

Highlights

Donated **HK$10.5 million** to support residents affected by the Tai Po fire and the family of the deceased firefighter; **applied power expertise to provide immediate and practical support**

CLP Power allocated **HK$240 million under the CLP Community Energy Saving Fund** for a series of community support programmes



Outcomes for stakeholders

Daya Bay Nuclear Power Station on the Chinese Mainland was honoured with **the Legacy Award (Industrial)** and **Grand Award (Industrial, 1990s)** by The Hong Kong Institution of Engineers

CLP Power signed a Memorandum of Understanding with both **the College of Professional and Continuing Education of the Hong Kong Polytechnic University** and **the Vocational Training Council** to cultivate engineering talent

Stakeholders' areas of interest

- Providing access to reasonably priced energy
- Community investment
- Promoting nuclear safety and clean energy
- Safety around CLP's network *(online only)*

Relevant material topic

Community stewardship

CLP is dedicated to fostering strong community relationships and contributing to social sustainability. It engages with local communities through various initiatives that enhance community wellbeing and promote environmental conservation, education and art and culture. CLP values transparency and collaboration and works closely and openly with stakeholders to address community needs and concerns. By investing in community programmes and partnerships, CLP is creating positive social impacts and driving long-term sustainable growth.

Providing access to reasonably priced energy

SASB reference: IF-EU-240a.4

CLP has established subsidy schemes and hardship programmes in place in Hong Kong and Australia to relieve those in need and ensure continued access to electricity, along with special arrangements to help customers facing financial difficulties to avoid disconnection.

Hong Kong

CLP Power is committed to maintaining its electricity tariffs at reasonable levels while ensuring power supply reliability. CLP Power's tariff adjustments have been relatively stable over the years, an outcome achieved by adopting prudent cost management measures, embracing a diversified fuel mix, and utilising innovative technologies. Having a stable fuel supply and utilising nuclear power have been important factors in mitigating the impact of fuel market volatility. CLP Power remains committed to effective tariff management through prudent cost controls, a diversified fuel mix strategy, ongoing enhancement of its operational efficiency and continued alignment with the Government's environmental policy objectives.

CLP Power allocated HK$240 million from the CLP Community Energy Saving Fund in 2025 to drive decarbonisation, boost the economy and support underprivileged communities. HK$50 million was used to fund the CLP Community Green Programme, including HK$44 million for energy-saving upgrades for subvented organisations, HK$5 million to help 1,200 households replace air conditioners with inverter models, and HK$1 million for building electrical safety advisory service. To encourage residential customers to reduce energy consumption, HK$22 million was allocated to a reward programme that allows customers who adopt energy-saving habits to earn points redeemable for incentives such as energy-efficient electrical appliances. Another $58 million was allocated to the Retail and Catering Coupons Programme, which distributes HK$100 coupons to 580,000 households to boost local spending.

To alleviate financial burden, HK$50 million was allocated to electricity subsidies of HK$600 to 50,000 low-income families and HK$1,000 to 20,000 tenants of subdivided units. Additional allocations included HK$5 million for installing individual meters in subdivided units, HK$3 million for equipping Community Living Rooms with energy-efficient appliances, and HK$6 million for the Students E-learning Assistance Programme.

A total of HK$40 million was allocated to support the Electrical Equipment Upgrade Scheme, designed to help SMEs in adopting more energy-efficient lighting and air conditioning systems. An additional HK$1 million was invested in retro-commissioning training.

CLP Power has continued the Home Electrical Safety Enhancement for the Underprivileged Programme and allocated HK$10 million for home electrical safety inspections. This programme improves home safety for underprivileged families, including low-income households, people with disabilities, elderly households and ethnic minorities, by providing them with free electrical inspections and repairs by qualified electricians.

These initiatives aim to promote energy efficiency, reduce carbon emissions, and strengthen community support while stimulating Hong Kong's economy growth.

CLP Power announced a HK$240 million package of initiatives funded by the CLP Community Energy Saving Fund in 2025, designed to encourage people from all sectors of society to save energy and reduce carbon emissions, while also boosting the Hong Kong economy and caring for the community.

Australia

Believing that all customers should have fair and equal access to its products and services, EnergyAustralia has published an Energy Charter outlining its commitment to working with customers to improve their energy affordability, enhance their energy efficiency and provide support to the vulnerable.

Download the latest EnergyAustralia's Energy Charter disclosure

The rising cost of living continues to present challenges for many Australians. In response, EnergyAustralia maintains its commitment to supporting households experiencing temporary financial hardship by offering payment plans and payment extensions, and guidance on available government assistance. The EnergyAssist hardship programme offers support to customers experiencing financial hardship via tailored solutions that include customised payment plans, payment matching, debt waivers and energy-efficiency education. These measures are also helping customers make better decisions about their energy consumption practices.

EnergyAustralia also partners with various organisations to directly assist customers facing financial hardship and help them improve their energy efficiency:

- Member of the One Stop One Story Hub Partnership, which supports people facing family and domestic violence or financial hardship by helping them navigate support programmes and reduce the need for multiple interactions.
- Partnered with Uniting Energy Audits to provide customers with energy-efficiency information via a home or phone audit, thus helping them to reduce their energy consumption and bills.
- Partnered with The Good Guys to assist with the delivery of new appliances and the removal of old ones.

EnergyAustralia also develops customised payment schedules, provides advice on reducing energy consumption and offers guidance on accessing government energy-relief subsidies for its business customers.

Read more on EnergyAustralia's Hardship Policy

Community investment

GRI reference: 201-1, 203-1, 203-2, 413-1

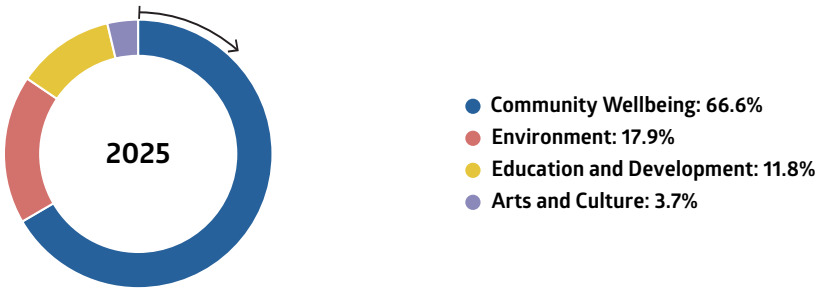
CLP Group launched a series of community support programmes in 2025, detailed in the case study section below.

Beneficiaries (number)	2025	2024	2023	2022	2021
Direct beneficiaries (number)	**938,000+**	1,270,000+	626,000+	1,305,000+	1,580,000+
Organisations benefitted (number)[1]	**371**	323	291	280	232

1 Includes professional bodies, academic institutes, NGOs and community groups.

Beneficiaries by theme

Of the more than 938,000 direct beneficiaries in 2025, 66.6% benefitted from CLP's Community Wellbeing programmes. The main contributor was the CLP Retail and Catering Coupons Programme which aims to encourage local consumption. The decrease in the number of beneficiaries was caused by the completion of distribution of the Low-Carbon City Planner board game to primary schools and kindergartens in 2024.



In 2025, the Group saw a significant rise in volunteering participation, with total service hours surpassing 21,000—the highest since the pandemic. The increase in service hours in Hong Kong was contributed by CLP Volunteers supporting the 15th National Games, the 12th National Games for Persons with Disabilities and the 9th National Special Olympic Games as volunteers for the races, as well as offering support to residents affected by the Tai Po Wang Fuk Court fire incident. On the Chinese Mainland, the expansion of community initiatives in the Eastern Region resulted in volunteering hours tripling compared to 2024, rising by over 2,800 hours. Ongoing business transformation led to resource reallocation that affected volunteer programmes delivery, contributing to a moderate decline in participation in EnergyAustralia.

The amount donated by CLP for charitable and other community purposes increased to HK$22.42 million, including a HK$10 million donation to support residents affected by the Tai Po Wang Fuk Court fire incident, and HK$500,000 to support the family of the deceased firefighter.

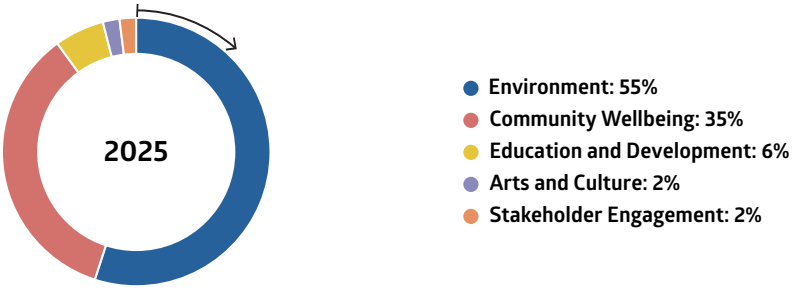
Community spending by theme and geography is summarised in the charts on the next page.

	2025	2024	2023	2022	2021
Amount donated for charitable and other purposes (HK$M)[1]	**22.42**	6.91	9.18	10.02	15.09
Volunteer hours (hours)[1]	**21,461**	16,498	16,701	19,329	16,541
Programmes implemented (number)	**532**	514	458	481	443

1 Numbers have been subject to rounding.

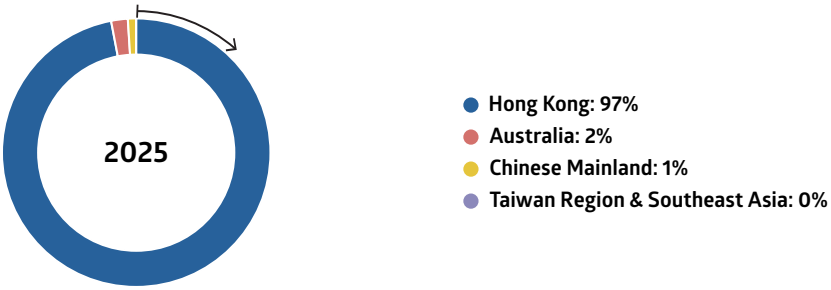
Community spending by theme

The largest percentage of community spending was directed to environment initiatives (55%), followed by community wellbeing initiatives (35%).



Community spending by region

The largest percentage of community spending was directed to Hong Kong (97%).



Case Study

Building Australia's energy future together with Traditional Owners

Engagement is the bridge to understanding, practical reconciliation, and ensuring that First Nations people benefit directly from energy projects on First Nations Country." – David Wilson, Head of Community Engagement.

Cultivating understanding

Australia's energy transition represents its most significant economic shift since the industrial revolution, and it is vital that First Nations people and communities are at the heart of this transformation.

David's team connects EnergyAustralia people working on new energy projects with local Traditional Owner groups. "Before we start a project, we seek to understand Country by listening, learning and reflecting, guided by Traditional Owners and Elders," David said.

For example, in the Latrobe Valley in the Gunaikurnai nation, the Yallourn, Jeeralang and Wooreen Battery Storage Project teams have all spent cultural immersion days with Gunaikurnai Land and Water Aboriginal Corporation (GLaWAC).

"It was important for our relationship that GLaWAC representatives had the chance to visit the Yallourn Power Station and Mine" said Nicholas King, Community Engagement Lead at Yallourn. "We're working together on the mine's land rehabilitation, but it's much better to share perspectives and contribute ideas when you're on Country."

Elsewhere, in Lithgow on Wiradjuri Country, early engagement helped inform a safe and respectful cultural engagement approach for the Lake Lyell Pumped Hydro Project.

"Over two days with Mingaan Wiradjuri Aboriginal Co-operative we had the opportunity to understand local cultural heritage and yarn about how we can engage respectfully with local Aboriginal parties" said Mike de Vink, Lake Lyell Pumped Hydro Energy Storage Project Director.

Embedding reconciliation in the energy transition

The energy transition offers a meaningful opportunity to support Aboriginal and Torres Strait Islander communities, by creating place-based partnerships that restore Country and promote long-term economic and environmental outcomes. For example, on Dharawal Country in Wollongong, we worked with the Illawarra Local Aboriginal Land Council (ILALC) to reconnect with land surrounding the Tallawarra Gas Fired Power Plant. This site, previously degraded by coal-fired operations, is now being regenerated through a partnership with ILALC and the Wollongong Botanical Gardens. Together, we have planted over 1,800 native trees and restored habitat that ILALC continues to maintain, creating employment, strengthening cultural connection, and improving biodiversity.

In Lithgow, on Wiradjuri Country, we sought the guidance and wisdom of Traditional Owners and Elders in our study of the biladurang (platypus) and in identifying archaeological finds. This collaboration not only enriched our understanding of Wiradjuri knowledge systems but also addressed historical exclusion by valuing First Nations voices in the cultural research process. In these ways, we supported cultural preservation, strengthened our connection to Country, and took meaningful steps toward reconciliation and shared stewardship.

Sharing sustainable benefits

By engaging meaningfully, we honour the wisdom of First Nations communities and their deep connection to Country – to land, water, sky, and everything within. We are also guided by First Nations people, Traditional Owners and Elders in ways of sharing the opportunities and benefits

Earth's elements provide in powering a clean energy future.

Across Wiradjuri Country and the Gunaikurnai Nation, our engagement extends to forming partnerships with First Nations communities that deliver sustainable, long-term benefits for these communities, for instance through employment programmes and opportunities, targeted STEM (science, technology, engineering and maths) scholarships, operational funding and capacity building, revenue-sharing grants, support in establishing cultural centres, and ongoing arrangements with First Nations ranger programmes to care for Country.

Scan to or click hear Wirajduri Elder Aunty Sharon share her knowledge on the biladurang (platypus)

"We want to ensure Wiradjuri cultural heritage is properly identified, recorded and managed", said Mike.

Aunty Helen and Aunty Ellen from Mingaan Wiradjuri Aboriginal Co-operative transferring artefacts for a cleansing ceremony

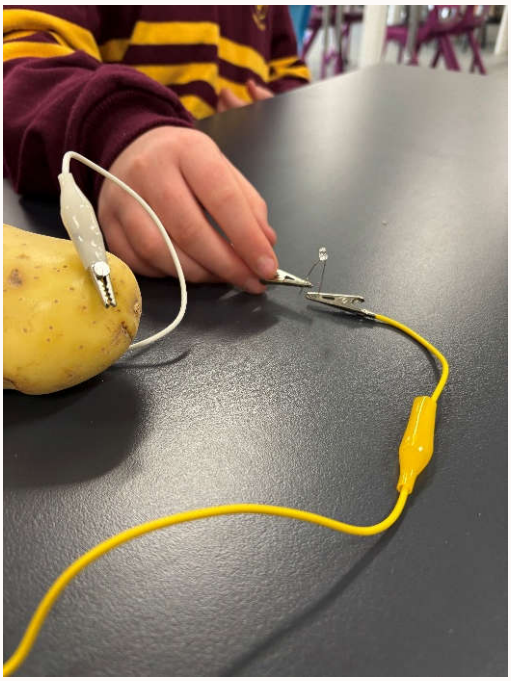
A cultural and environmental restoration initiative being led by the Illawarra Local Aboriginal Land Council at Tallawarra Power Station.

Case Study

2025 STEM Partnerships: ATSE, DeadlyScience, Mt Piper BESS

As young people in our local schools think about their careers, we want them to see a place for themselves in Australia's clean energy future. To ensure this future is fair and inclusive, we need more women, First Nations peoples, and young Australians from all backgrounds. To support this future, we are investing in programmes that bring STEM education, and energy education, to life.

Through our Mount Piper Battery Energy Storage System Schools Programme in Lithgow, we helped over 1,000 students from nine local schools turn potatoes into batteries and play energy relay games, gaining a better understanding of how energy is made, stored and delivered.



We also partnered with the Australian Academy of Technological Sciences and Engineering's (ATSE) STELR programme to bring hands-on STEM equipment to four specially selected schools in our communities across Victoria and NSW. This is giving their students hands-on experience with science and technology, helping spark ideas about the kind of change they can be involved with.

Case Study

CLP Pulse connects heritage, innovation and sustainability

CLP Pulse has strengthened its role as a cultural and sustainability hub, delivering thematic exhibitions and programmes that bring together heritage, culture and innovation. Throughout the year, the museum organised guided tours, workshops, and activities to engage the community. In total, CLP Pulse welcomed more than 60,000 visitors.

The *Light and Delight: A City Illumined* exhibition celebrated Hong Kong's iconic neon culture through installations crafted from recycled and new neon tubes. Over the summer, *Timeless Pages of CLP Clock Tower* transformed the Grade 1 historic building into an interactive reading space and storytelling theatre, featuring shadow box art co-created by students and story-telling sessions for children that invited reflection on electricity's role in shaping modern life, and living a low carbon lifestyle. These initiatives utilised cultural engagement and green education activities to inspire dialogue on decarbonisation and sustainable living among the community.

The neon installation at CLP Pulse was created using a modern visual art approach that at the same time demonstrated the continuity of traditional neon techniques, in line with CLP Pulse's commitment to promoting heritage and sustainable development.

Three shadow boxes in the summer exhibition highlighted the architectural features of the CLP clock tower building and showcased young people's creative interpretations of Hong Kong heritage.

Storytelling sessions at CLP Pulse introduced children to the electricity journey and the importance of resource conservation.

Case Study

Leading a youth expedition to Shandong for national education and decarbonisation

In July 2025, CLP launched its Power the Youth Expedition programme, aimed at strengthening national identity among Hong Kong young people and providing insights into the Chinese Mainland's cultural heritage and emerging energy innovations. The initiative reflects CLP's commitment to nurturing future talent and supporting national education through immersive experiences.

The tour featured four key segments: cultural heritage, energy education, community service, and cultural exchange. Students visited CLP's Laiwu Wind Farm to learn about renewable energy and the national dual carbon goals, and explored Mashaowan Village History Museum, a CLP rural vitalisation project that integrated cultural preservation with clean energy generation. They also visited the Temple of Confucius and Mount Tai, participated in a traditional apprenticeship ceremony, and experienced a 3D holographic ritual performance that blended tradition with technology. Cultural exchange activities at Jinan No. 1 High School, which included Tai Chi practice and embroidery workshop, helped foster friendships between Hong Kong and Shandong students.

Participants described the experience as inspiring and educational, deepening their understanding of Confucian culture, new quality productive forces and CLP's contribution to the national decarbonisation goals. Teachers praised the programme's interdisciplinary approach, which combined national education with career planning opportunities. CLP plans to expand the initiative to other provinces where it operates, creating a flagship platform for national education and energy studies, and inspiring Hong Kong youth to explore future careers in the energy sector.

Participants in the exchange programme led by CLP to Jinan, Qufu, Tai'an, and Weifang in Shandong Province

Case Study

Leveraging smart meter technology to enhance elderly home safety: CLP Power's Community Watch & Care Service Pilot Programme

As Hong Kong addresses the challenges posed by an ageing population, innovative solutions are essential to support ageing in place and reduce the burden on caregivers. CLP Power has taken a pioneering step by launching the Community Watch & Care Service Pilot Programme, which uses smart meter data to monitor electricity usage patterns and safeguard elderly residents.

CLP Power has launched the second phase of its Community Watch & Care Service Pilot Programme to support ageing in place policies and promote gerontechnology. The initiative uses smart meter data to monitor the electricity usage patterns of elderly residents, enabling social workers and carers to identify abnormal activity and provide timely assistance. Since its inception in June 2024, the programme has partnered with nine social welfare organisations and the Hong Kong Housing Society, offering innovative support to nearly 300 elderly individuals and families in need.

The first phase of the programme, which concluded in March 2025, demonstrated remarkable success. By analysing over 2,800 alerts generated by CLP Power's data analytics system, social workers confirmed a 90% accuracy rate in detecting unusual activity among elderly participants. Building on this achievement, the second phase incorporated artificial intelligence to enhance precision, and expanded coverage to elderly couples and people with disabilities. This phase also brought in additional partners, including Caritas Hong Kong and The Salvation Army, aiming to benefit around 150 families.

This initiative exemplifies how technology can transform social care. By leveraging smart meters and AI, CLP Power provides continuous, non-intrusive monitoring that reduces the need for disruptive home visits while safeguarding vulnerable individuals. The programme not only aligns with government objectives but also fosters cross-sector collaboration, setting a benchmark for socially responsible innovation and creating a more compassionate, age-friendly city.

Secretary for Labour and Welfare Mr Chris Sun attends the launch ceremony of CLP Power Community Watch & Care Service Pilot Programme with CLP Power's leaders and representatives from participating organisations to officiate at the launch ceremony.

Case Study

Connecting the elderly with society through CLP volunteer engagement programmes

CLP Power supports elderly people by providing them with a range of opportunities to participate actively in the community, in the process building their confidence and staying connected with society. Our long-term community engagement programmes, delivered through the CLP Volunteer Team, are designed to enable the elderly participants to interact with each other for companionship, engage in learning activities, and contribute meaningfully to society.

One such initiative organised in 2025 was the *CLP Be Your Peer Community Power Journey,* which gave elderly participants the opportunity to contribute to the community. Trained as docents under the programme, 12 elderly participants led nearly 100 beneficiaries on guided tours across To Kwa Wan and the Kai Tak Development Area, with the support of CLP volunteers. The elderly docents shared stories of the power industry and of Hong Kong's community development during the tours, in the process strengthening their social engagement and expanding their interactions with members of the public. The programme participants also got to visit CLP Pulse and a newly beautified substation, in activities that enhanced their understanding of electricity use, energy efficiency and sustainable energy, and reinforced their role as active learners and knowledge sharers.

CLP Power also engages many elderly people in creative and intergenerational activities through its signature *Sharing the Festive Joy* programme. In 2025, the programme brought together over 500 elderly participants, together with non-government organisation partners and CLP volunteers, to celebrate different festivals. At upcycling workshops supported by dedicated volunteers, the elderly participants turned old clothing, used paper bags and glass bottles into functional and gift items, while learning more about waste reduction, renewable energy and sustainable living. These hands-on activities were ideal occasions for social interactions between the elderly participants and volunteers, as well as storytelling and shared learning.

All these programmes reflect CLP Power's holistic approach towards connecting elderly people with society through volunteer engagement. Through initiatives that encourage elderly participants to lead, create and learn, while at the same time fostering companionship and intergenerational harmony, CLP Power is helping seniors build confidence and purpose and enhancing their sense of belonging. Building on decades of community commitment, the CLP Volunteer Team provided over 15,000 volunteer service hours in the past year in its efforts to nurture a caring and inclusive culture. The team is a prime example of how corporate volunteerism can create lasting social value for both individuals and the wider community.

In addition, CLP Power has three Hotmeal Canteens in Sham Shui Po, Kwun Tong and Kwai Tsing districts, which provide nutritious hot meals for people in need as well as offer a place for them to meet, socialise and connect with the community. CLP volunteers visited the Canteens regularly to help serve meals, as well as to organise thematic activities to promote physical and mental health, such as games and art workshops.

CLP Power Managing Director Joseph Law visits one of the Hotmeal Canteens

Case Study

Providing opportunities for young people and nurturing the future generation

With fresh graduates and career starters facing many challenges, CLP Power is addressing the working needs of local young people and collaborating with various partners to boost the career opportunities available for them.

In 2025, CLP Power continued to collaborate with the Correctional Services Department (CSD) in providing young inmates and rehabilitated young persons with opportunities for training and career development through a series of career talks, induction courses, visits, internship and job opportunities.

CLP Power has continued to support the Hong Kong SAR Government's Strive and Rise Programme. Graduate trainees, young engineers and representatives from various business units were nominated to participate in the one-year mentorship programme, pairing one-on-one with junior form students from underprivileged backgrounds. Throughout the year, the mentors accompanied the students in a wide range of activities, including visits to CLP facilities such as CLP Pulse, the CLP Power Academy and the CLP Low Carbon Energy Education Centre, providing them with valuable life and study advice. Our efforts have again been recognised, with CLP being awarded the Supporting Organisation Award for the third consecutive year.

Further, CLP Power supported the Hong Kong Federation of Youth Groups for the CLP Energy for Brighter Tomorrows Award by providing scholarships for 20 young people with outstanding achievements in battling adversity. Nine CLP Power colleagues acted as mentors for the students. Since its launch in 2018, a total of 140 students have been awarded scholarships.

In 2025, CLP Power signed a Memorandum of Understanding (MoU) with the College of Professional and Continuing Education of the Hong Kong Polytechnic University to cultivate future talents through a new master's programme that blends engineering, computer science and business skills, and adds a strong emphasis on AI integration and safety, in a programme that will prepare future leaders for Hong Kong's evolving energy landscape.

CLP Power is committed to promoting a low-carbon and energy-saving lifestyle through the use of innovative tools and public education programmes. It launched a new digital board game, "Low-Carbon City Planner", that enables players to explore energy efficiency as well as carbon and waste-reduction. CLP Power also premiered the latest episode of its 3D cartoon series Power Kid Channel: Power Quality, and hosted visits to kindergartens by its engineers.

CLP Power's booth in the Children's Paradise zone of the Hong Kong Book Fair, where visitors could download the app and play the game.

In 2025, CLP Power partnered with The Green Earth and Metro Broadcast Corporation Limited

to launch the CLP Climate Ambassadors Podcast Competition, attracting over 100 teams from 47 primary schools. Through creative podcast productions on three environmental themes—climate change, low-carbon living and renewable energy—the competition aimed to raise public awareness of climate issues and low-carbon living, empowering students to become the next generation of "Climate Ambassadors". Environmental talks and broadcasting workshop were organised for more than 4,000 students, enabling them to deepen their understanding of environmental issues through creative learning. Students also gained insights into how climate change affects daily life and even power quality. Winning entries were broadcast on radio, bringing students' voices beyond the classroom and into the community to spread environmental messages to the wider public.

CLP Power Chief Corporate Development Officer Ms Quince Chong (first from left) joins pupils from YCH Law Chan Chor Si Primary School, the winner of three awards in the competition.

Since the launch of the Engineer in School Programme in 2016, it has motivated junior secondary school students to save energy and explore careers in power engineering. Under the programme, CLP engineers have engaged with more than 75,000 students from 240 schools through school talks, STEM workshops, and visits to Black Point Power Station, the InnoPower Hall and the CLP Low Carbon Energy Education Centre.

CLP Power organised a Tree-Pruning Robot Challenge in 2025, which attracted participation by nearly 100 junior secondary students from various schools. The students needed to integrate artificial intelligence, big data, cloud computing and power engineering to assemble and programme robotic arms. Participants also utilised large language models to analyse data, exploring opportunities and challenges associated with applying technology in the power industry.

Students simulate tree pruning robot using robot arms based on CLP's Predictive Vegetation Management System to understand how technology is applied in the power industry.

Promoting nuclear safety and clean energy

Initiatives and progress

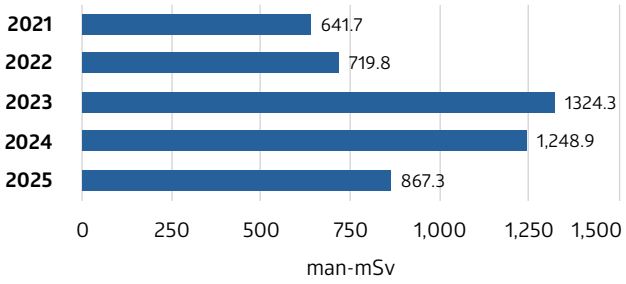
HKFRS S2/SASB reference: IF-EU-540a.2; GRI reference: 306-3 (2016), 306-1, 306-2, 306-3

The International Nuclear and Radiological Event Scale (INES) is a scale developed by the International Atomic Energy Agency (IAEA) and the Organisation for Economic Co-operation and Development (OECD) to improve public understanding and awareness of the nature and significance of safety aspects of incidents and communicate the safety significance of nuclear and radiological events consistently. Any event occurring in a nuclear power station that qualifies for the INES scale is considered as a Licensing Operational Event (LOE). In 2025, Daya Bay Nuclear Power Station continued to operate smoothly, with no LOE occurrences.

In 2025, Daya Bay Nuclear Power Station maintained robust safety and operational performance, characterised by minimal worker radiation exposure and predictable waste generation aligned with planned activities. The average radiation dose rate for workers in 2025 was less than 0.4 mSv per person per year. By comparison, the background radiation dose rate from the natural environment in Hong Kong is 2.4 mSv per person per year. The charts below tracking waste volumes illustrate the amounts of spent nuclear fuel and low- to intermediate-level radioactive nuclear waste from Daya Bay in recent years. The amounts of both types of waste are related to the number of planned refuelling outages in each year. In 2025, Daya Bay carried out two planned refuelling outages and the total quantity of spent nuclear fuel generated reflected this event.

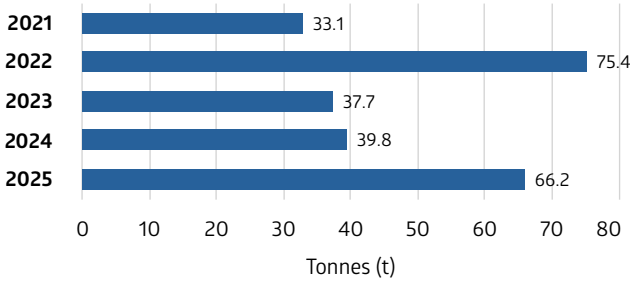
Collective radiation dosage for workers

The collective radiation dosage for the year was 867.3 man-mSv, as there were two planned refuelling outages.



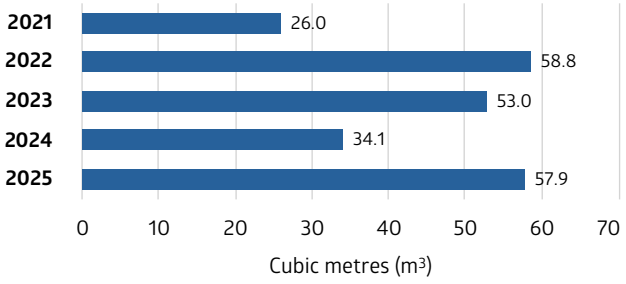
Spent nuclear fuel

The amount of spent nuclear fuel in 2025 was at an expected level, given that there were two planned refuelling outages, similar to 2022.



Solid radioactive nuclear waste

The low- to intermediate-level nuclear waste in 2025 was similar to 2022 as there were two planned refuelling outages.



Case Study

Daya Bay Nuclear Power Site celebrates milestone of trillionth kilowatt-hour of on-grid electricity generation

Daya Bay Nuclear Power Site celebrated a historic milestone of keeping the first nuclear power site in China to surpass one trillion kWh of on-grid electricity generation on 29th April 2025. To date, over 320 billion kWh of nuclear energy has been imported to Hong Kong by CLP, contributing to the city's economic and social development and playing a vital role in its decarbonisation journey.

The Daya Bay Nuclear Power Site consists of three major facilities: Daya Bay Nuclear Power Station, Ling Ao Nuclear Power Station Phase I and Phase II, each of which is equipped with two reactor units. Established in 1985 by CLP and China General Nuclear Power Corporation (CGN), Daya Bay Nuclear Power Station was the largest and a signature joint venture project at the initial stage of the Chinese Mainland's reform and opening-up. Commissioned in 1994, it symbolises the long-term collaboration between CLP and CGN and has contributed significantly to the development of the nation's power industry.

Having operated safely and efficiently for over 30 years, Daya Bay completed the first 30-year overhaul of a large-scale nuclear power unit in China in 2024. This involved implementing nearly 200 technical upgrades and over 50 innovations, including the world's first digitisation of an analogue control system for an M310 model pressurised water reactor in operation. Generating around 15 billion kWh annually, with 80% supplied to Hong Kong, the station meets a quarter of the city's electricity demand with stable, non-carbon nuclear power. It plays a vital role in Hong Kong's carbon neutrality journey, and in CLP's commitment to advancing nuclear and renewable energy to support decarbonisation goals.

Daya Bay Nuclear Power Station was commissioned in 1994 and has supplied Hong Kong with safe, stable and non-carbon emitting nuclear power for over 30 years, meeting a quarter of Hong Kong's electricity demand.

Case Study

Daya Bay Nuclear Power Station – A Legacy of Innovation and Impact

Daya Bay Nuclear Power Station, a pioneering joint venture between CLP and CGN, was honoured with the Legacy Award (Industrial) and the Grand Award (Industrial, 1990s) at the Hong Kong Institution of Engineers (HKIE) 50th Anniversary Legacy Award.

The HKIE 50th Anniversary Legacy Award recognises achievements across three categories: innovation, industry and infrastructure. These awards celebrate outstanding engineering projects, groundbreaking technologies, and transformative initiatives from the past half century. Among over 100 nominated projects, Daya Bay Nuclear Power Station received both the Grand Award (Industrial, 1990s) and the Award's highest honour – the Legacy Award (Industrial) – following assessment by a panel of judges and a public vote.

CLP Holdings Senior Director – Nuclear Eddie Wu (second from left) receives the Grand Award (Industrial, 1990s) from Secretary for Housing Winnie Ho (first from left) and HKIE Immediate Past President Barry Lee (first from right).

CLP Power Managing Director Joseph Law (middle) receives the Legacy Award (Industrial) from HKIE President Eric Ma (second from left), Secretary for Development Bernadette Linn (first from left), Secretary for Housing Winnie Ho (second from right), and Secretary for Innovation, Technology and Industry Sun Dong (first from right).

CLP is committed to promoting public education about nuclear and low-carbon energy. In 2017, it collaborated with the City University of Hong Kong in setting up the CLP Power Low Carbon Energy Education Centre. Since then, the centre has served as an important platform for engaging with and educating the public about the benefits of low-carbon energy sources, including nuclear energy, and how they help address the challenge of climate change. The centre includes five themed zones that introduce various types of low-carbon energy, namely wind, solar, hydro, gas and nuclear, through interactive exhibits and tools. Guided tours and various low-carbon themed workshops are offered to visitors free of charge. In 2025, more than 9,700 visitors visited the centre, including students, teachers, professional groups and the general public.

The CLP Power Low Carbon Energy Education Centre

To enhance students' awareness of climate change and promote low-carbon living, the CLP Power Low Carbon Energy Education Centre organised the 3rd Low-Carbon Invention Competition in 2025. The event integrated creativity with STEAM (Science, Technology, Engineering, Art and Mathematics) and environmental elements, aiming to unleash students' innovative potential. This year, the competition received submissions from around 800 students from over 110 primary and secondary schools, showcasing innovative low-carbon inventions that support a greener lifestyle. A majority of the award-winning entries incorporated nuclear energy elements, while others combined nuclear energy with renewable energy to promote sustainable development. To further deepen students' understanding of nuclear energy, a one-day study tour to the Daya Bay Nuclear Power Station was introduced this year as a special award for winning students.

Winning students visited the Daya Bay Nuclear Power Science and Technology Museum to learn about the power generation principles and safety design of the plant.