

Our Portfolio

CLP's business spans every major segment of the energy value chain, including retail, transmission, distribution and a diversified portfolio of electricity generation assets. As of 31 December 2024, the Group's total generation and energy storage capacity¹ was 22,582MW in Hong Kong, Mainland China, Australia, India, Taiwan Region and Thailand, including 4,436MW of renewable energy capacity. The capacity and main business activities by market are detailed in tables below.

Overview of Generation and Energy Storage Capacity by Asset Type ¹									
Hong Kong		Mainland China		Australia		India		Taiwan Region and Thailand	
7,222MW		7,369MW		5,732MW		1,974MW		285MW	
Gas	3,850MW	Wind	1,609MW	Wind	430MW	Wind	586MW	Solar	21MW
Coal	3,058MW	Solar	592MW	Solar	294MW	Solar	400MW	Coal	264MW
Waste-to-energy	14MW	Hydro	489MW	Gas	1,953MW	Gas	328MW		
Others	300MW	Nuclear	2,685MW	Coal	2,910MW	Coal	660MW		
		Coal	1,248MW	Energy storage	145MW				
		Energy storage	747MW						

Hong Kong				
Assets and Services	Location	CLP's Equity Interest	Gross Capacity	CLP's Capacity (Equity / Long-term Purchase)
Customer Services Electricity and customer services for about 2.83 million customer accounts in Kowloon, the New Territories and most of Hong Kong's outlying islands	Hong Kong	100%	-	-
Transmission and Distribution 556 km of 400kV lines, 1,666 km of 132kV lines, 22 km of 33kV lines and 14,879 km of 11kV lines 70,728 MVA transformers, 250 primary and 15,759 secondary substations in operation	Hong Kong	100%	-	-
Gas Black Point Power Station , one of the world's largest gas-fired combined-cycle power stations comprising one 550MW unit, one 600MW unit ² and eight 337.5MW units	Hong Kong	70%	3,850MW	3,850MW
Coal Castle Peak Power Station , with one 350MW coal-fired unit and four 677MW units ³	Hong Kong	70%	3,058MW	3,058MW
Others Hong Kong Branch Line , comprising a 20 km pipeline (including subsea portion of 19 km) and the associated gas launching and end stations, which transports natural gas from PipeChina's Second West-East Gas Pipeline in Shenzhen Dachan Island to Black Point Power Station	Hong Kong	40%	-	-
Hong Kong LNG Terminal Limited owns and operates the offshore liquefied natural gas (LNG) terminal in Hong Kong to provide LNG regasification and related services to Castle Peak Power Company Limited and The Hongkong Electric Company Limited	Hong Kong	49%	-	-
Penny's Bay Power Station , comprising three 100MW diesel-fired gas turbine units mainly for backup purposes	Hong Kong	70%	300MW	300MW
WE Station ⁴ , comprising seven 2MW units which make use of landfill gas from waste for power generation	Hong Kong	70%	14MW	14MW

Mainland China				
Assets and Services	Location	CLP's Equity Interest	Gross Capacity	CLP's Capacity (Equity / Long-term Purchase)
Wind				
Nanao II Wind Farm	Guangdong	25%	45MW	11MW
Nanao III Wind Farm	Guangdong	25%	15MW	4MW
Bobai Wind Farm ⁵	Guangxi	100%	150MW	150MW
Sandu Wind Farm	Guizhou	100%	99MW	99MW
Sandu II Wind Farm ⁶	Guizhou	100%	100MW	100MW
Changling II Wind Farm	Jilin	45%	49.5MW	22MW
Datong Wind Farm	Jilin	49%	49.5MW	24MW
Qian'an I Wind Farm	Jilin	100%	49.5MW	49.5MW
Qian'an II Wind Farm	Jilin	100%	49.5MW	49.5MW
Qian'an III Wind Farm	Jilin	100%	100MW	100MW

Notes:

- Of projects in operation and under construction on an equity basis, in addition to long-term capacity and energy purchase arrangements. Minor discrepancies may result from rounding. Assets in the Hong Kong section are under the Scheme of Control Agreement (except Hong Kong Branch Line).
- The 600MW Combined-Cycle Gas Turbine (CCGT) D2 unit commenced operation on 19 April 2024.
- Units A1, A2 and A3 units of Castle Peak Power Station, with a combined capacity of 1,050MW, were retired as of 20 April 2024.
- Phase 2 of WE Station, with a capacity of 4MW, commenced operation on 30 October 2024.
- Bobai Wind Farm was connected to the grid in January 2025 after construction was completed.
- Construction of Sandu II Wind Farm started in March 2024.

Mainland China (Cont'd)				
Assets and Services	Location	CLP's Equity Interest	Gross Capacity	CLP's Capacity (Equity / Long-term Purchase)
Shuangliao I Wind Farm	Jilin	49%	49.3MW	24MW
Shuangliao II Wind Farm	Jilin	49%	49.5MW	24MW
CLP Laizhou I Wind Farm	Shandong	100%	49.5MW	49.5MW
CLP Laizhou II Wind Farm	Shandong	100%	49.5MW	49.5MW
Dongying Hekou Wind Farm	Shandong	49%	49.5MW	24MW
Huadian Laizhou I Wind Farm ⁷	Shandong	45%	37.5MW	17MW
Juancheng Wind Farm ⁸	Shandong	100%	300MW	300MW
Laiwu I Wind Farm	Shandong	100%	49.5MW	49.5MW
Laiwu II Wind Farm	Shandong	100%	49.5MW	49.5MW
Laiwu III Wind Farm	Shandong	100%	50MW	50MW
Lijin I Wind Farm	Shandong	49%	49.5MW	24MW
Lijin II Wind Farm	Shandong	49%	49.5MW	24MW
Penglai I Wind Farm	Shandong	100%	48MW	48MW
Rongcheng I Wind Farm	Shandong	49%	48.8MW	24MW
Rongcheng II Wind Farm	Shandong	49%	49.5MW	24MW
Rongcheng III Wind Farm	Shandong	49%	49.5MW	24MW
Weihai I Wind Farm	Shandong	45%	19.5MW	9MW
Weihai II Wind Farm	Shandong	45%	49.5MW	22MW
Zhanhua I Wind Farm	Shandong	49%	49.5MW	24MW
Zhanhua II Wind Farm	Shandong	49%	49.5MW	24MW
Chongming Wind Farm	Shanghai	29%	48MW	14MW
Xundian I Wind Farm	Yunnan	100%	49.5MW	49.5MW
Xundian II Wind Farm ⁹	Yunnan	100%	50MW	50MW
Solar ¹⁰				
Jinchang Solar Power Station	Gansu	100%	85MW	85MW
Meizhou Solar Power Station	Guangdong	100%	36.1MW	36.1MW
Huai'an Solar Power Station	Jiangsu	100%	12.8MW	12.8MW
Huai'an Nanzha Solar Power Station ¹¹	Jiangsu	100%	100MW	100MW
Sihong Solar Power Station	Jiangsu	100%	93.4MW	93.4MW
Yangzhou Gongdao Solar Power Station ¹²	Jiangsu	100%	74MW	74MW
Yixing Solar Power Station ¹³	Jiangsu	100%	90MW	90MW
Lingyuan Solar Power Station	Liaoning	100%	17MW	17MW
Xicun I Solar Power Station	Yunnan	100%	42MW	42MW
Xicun II Solar Power Station	Yunnan	100%	42MW	42MW
Hydro				
Huaji Hydro Power Stations	Guangdong	84.9%	129MW	110MW
Jiangbian Hydropower Station	Sichuan	100%	330MW	330MW
Dali Yang'er Hydropower Station	Yunnan	100%	49.8MW	49.8MW
Nuclear				
Guangdong Daya Bay Nuclear Power Station, comprising two 984MW Pressurised Water Reactors. Through long-term capacity purchase, 70% of electricity generated is supplied to Hong Kong, with the remaining 30% sold to Guangdong province ¹⁴	Guangdong	25%	1,968MW	1,577MW
Yangjiang Nuclear Power Station, comprising six 1,086MW generating units	Guangdong	17%	6,516MW	1,108MW
Coal ¹⁵				
Beijing Yire Power Station ¹⁶	Beijing	30%	-	-
Sanhe I and II Power Stations	Hebei	16.5%	1,330MW	219MW
Zhungeer II and III Power Stations	Inner Mongolia	19.5%	1,320MW	257MW
Suizhong I and II Power Stations	Liaoning	15%	3,760MW	564MW
Panshan Power Station	Tianjin	19.5%	1,060MW	207MW

7 The gross capacity of Huadian Laizhou I project was reduced to 37.5MW from 40.5MW in 2023 following the decommissioning of two wind turbines.

8 Juancheng Wind Farm commenced construction in December 2024.

9 Xundian II Wind Farm commenced commercial operation in March 2023.

10 Gross / CLP Equity MW of solar power projects are expressed on an alternating current (AC) basis unless specified otherwise.

11 Construction of Huai'an Nanzha Solar Power Station, with direct current (DC) generation capacity of up to 100MW, commenced in April 2024.

12 Yangzhou Gongdao Solar Power Station commenced operation in September 2023.

13 Construction of Yixing Solar Power Station, with a generation capacity of 90MW, commenced in May 2024.

14 Agreements have been reached to increase the proportion of energy supply to Hong Kong to slightly above 70% in 2014 and to about 80% from 2015 to 2023, with the remainder continuing to be sold to Guangdong province. The agreement was renewed for a further five years between 2024 – 2028. Guangdong Daya Bay Nuclear Power Station is in the process to complete the application of updating electric power business licenses for the plant capacity upgrade.

15 Shenmu Power Station ceased operation on 28 February 2018 and the joint venture company deregistered on 23 October 2023. In September 2024, CLP executed an early exit from Shandong Zhonghua Power Company Limited, operator of Heze II Power Station and Liaocheng I Power Station.

16 Beijing Yire Power Station ceased operation on 20 March 2015.

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Mainland China (Cont'd)				
Assets and Services	Location	CLP's Equity Interest	Gross Capacity	CLP's Capacity (Equity / Long-term Purchase)
Energy Storage				
Rights to use 50% of Phase I of Guangzhou Pumped Storage Power Station for serving CLP's Hong Kong business under a long-term capacity purchase agreement	Guangdong	-	1,200MW	600MW
Battery energy storage systems co-located with Huai'an Nanzha Solar Power Station (10MW) , Qian'an III Wind Farm (5MW) , Sandu II Wind Farm (10MW) , Guanxian Wind Farm (100MW) ¹⁷ , Xundian II Wind Farm (5MW) , Yangzhou Gongdao Solar Power Station (8MW) and Yixing Solar Power Station (9MW)	Guizhou, Jiangsu, Jilin, Shandong and Yunnan	100%	147MW	147MW
Others				
CLP-TELD New Energy Technology (Guangdong) Ltd.	Guangdong	60%	-	-

Australia				
Assets and Services	Location	CLP's Interest (Equity / Long-term Purchase)	Gross Capacity	CLP's Capacity (Equity / Long-term Purchase)
Customer Services				
Electricity and gas services for 2.38 million customer accounts	New South Wales, Queensland, South Australia and Victoria	100%	-	-
Wind				
Cathedral Rocks Wind Farm ¹⁸	South Australia	50%	62MW	31MW
Renewable Energy Long-term Purchase ^{19,20}				
Boco Rock Wind Farm ²¹	New South Wales	100%	113MW	113MW
Bodangora Wind Farm	New South Wales	60%	113MW	68MW
Coleambally Solar Farm	New South Wales	70%	150MW	105MW
Manildra Solar Farm	New South Wales	100%	46MW	46MW
Taralga Wind Farm	New South Wales	100%	107MW	107MW
Ross River Solar Farm	Queensland	80%	116MW	93MW
Waterloo Wind Farm Stage 1	South Australia	100%	111MW	111MW
Gannawarra Solar Farm	Victoria	100%	50MW	50MW
Gas				
Tallawarra Gas-fired Power Station ²² , including the new Tallawarra B plant	New South Wales	100%	778MW	778MW
Hallett Gas-fired Power Station	South Australia	100%	235MW	235MW
Jeeralang Gas-fired Power Station	Victoria	100%	440MW	440MW
Newport Gas-fired Power Station	Victoria	100%	500MW	500MW
Coal				
Mount Piper Coal-fired Power Station	New South Wales	100%	1,430MW	1,430MW
Yallourn Coal-fired Power Station and Brown Coal Open-cut Mine	Victoria	100%	1,480MW	1,480MW
Energy Storage				
Rights to charge and dispatch energy from the Riverina Stage 2 and Darlington Point battery storage systems, which are capable of powering more than 49,000 homes for two hours of critical peak demand before being recharged ²³	New South Wales	100%	90MW / 180MWh	90MW / 180MWh
Rights to charge and dispatch energy from Ballarat Battery Storage which is capable of powering more than 20,000 homes for an hour of critical peak demand before being recharged	Victoria	100%	30MW / 30MWh	30MW / 30MWh
Rights to charge and dispatch energy from Gannawarra Battery Storage which is capable of powering more than 16,000 homes through two hours of peak demand before being recharged	Victoria	100%	25MW / 50MWh	25MW / 50MWh
Others				
Pine Dale Black Coal Mine	New South Wales	100%	-	-

17 In December 2024, construction of Guanxian Battery Energy Storage System started. It will be co-located with Guanxian Wind Farm, which will commence construction in the first quarter of 2025.

18 The gross capacity of Cathedral Rocks Wind Farm was reduced to 62MW from 64MW following fire damage to a wind turbine in January 2023.

19 Relates to long-term power purchase from wind and solar farms in which CLP has neither equity nor operational control.

20 EnergyAustralia's power purchase agreement on the Mortons Lane Wind Farm ended on 30 June 2023. The power purchase agreement with Gullen Range Wind Farm ended in December 2024.

21 In 2024, EnergyAustralia extended its power purchase agreement on the Boco Rock Wind Farm to November 2029.

22 Upgrade to Tallawarra A commenced in October 2024 to increase the plant's generation capacity by 38MW. The Tallawarra B plant, with a generation capacity of 320MW, began commercial operations in June 2024.

23 EnergyAustralia took operational control of the Riverina Stage 2 and Darlington Point battery systems in New South Wales in September 2023 after the projects completed construction.

India				
Assets and Services	Location	CLP's Equity Interest	Gross Capacity	CLP's Equity Capacity
Wind				
Mahidad Wind Farm	Gujarat	50%	50.4MW	25.2MW
Samana I Wind Farm	Gujarat	50%	50.4MW	25.2MW
Samana II Wind Farm	Gujarat	50%	50.4MW	25.2MW
Sidhpur Wind Farm ²⁴	Gujarat	50%	250.8MW	125.4MW
Harapanahalli Wind Farm	Karnataka	50%	39.6MW	19.8MW
Saundatti Wind Farm	Karnataka	50%	72MW	36MW
Chandgarh Wind Farm	Madhya Pradesh	50%	92MW	46MW
Andhra Lake Wind Farm	Maharashtra	50%	106.4MW	53.2MW
Jath Wind Farm	Maharashtra	50%	60MW	30MW
Khandke Wind Farm	Maharashtra	50%	50.4MW	25.2MW
Bhakrani Wind Farm	Rajasthan	50%	102.4MW	51.2MW
Sipla Wind Farm	Rajasthan	50%	50.4MW	25.2MW
Tejuva Wind Farm	Rajasthan	50%	100.8MW	50.4MW
Theni I Wind Farm	Tamil Nadu	50%	49.5MW	24.8MW
Theni II Wind Farm	Tamil Nadu	50%	48MW	24MW
Solar ¹⁰				
Gale Solar Farm	Maharashtra	50%	50MW	25MW
Tornado Solar Farm	Maharashtra	50%	20MW	10MW
NHPC Bhanipura 1 Solar Farm ²⁵	Rajasthan	50%	250MW	125MW
NTPC Bhanipura 2 Solar Farm ²⁶	Rajasthan	50%	300MW	150MW
Cleansolar Renewable Energy Private Limited	Telangana	50%	30MW	15MW
Divine Solren Private Limited	Telangana	50%	50MW	25MW
Veltoor Solar Farm	Telangana	50%	100MW	50MW
Gas				
Paguthan Power Station ²⁷ , a combined-cycle gas-fired power plant designed to run on natural gas with naphtha as alternate fuel	Gujarat	50%	655MW	327.5MW
Coal				
Jhajjar Power Station, comprising two 660MW supercritical coal-fired units	Haryana	50%	1,320MW	660MW
Transmission				
Kohima-Mariani Transmission Ltd., operator of a 254 km 400kV double circuit interstate transmission line in Northeast India, and owns a 400/220kV gas insulated switchgear substation at Kohima in the state of Nagaland	Assam, Manipur and Nagaland	37% ²⁸	-	-
Satpura Transco Private Ltd., operator of a 240 km 400kV double circuit intra-state transmission line	Madhya Pradesh	50%	-	-
Karera Power Transmission Limited, developer of a 41 km of 765kV double circuit interstate transmission line and a 3,000 megavolt ampere (MVA) substation	Madhya Pradesh	50%	-	-
Fatehgarh III Transmission Limited and Fatehgarh IV Transmission Limited, developers of a combined total of 252 km of 400kV double circuit interstate transmission lines and a 2,500MVA pooling substation, currently under construction	Rajasthan	50%	-	-
Others				
Advanced metering infrastructure project in Assam – covering around 700,000 smart meters	Assam	50%	-	-
Advanced metering infrastructure project in Gujarat – covering more than 2.3 million smart meters	Gujarat	50%	-	-
Advanced metering infrastructure project in Himachal Pradesh – covering more than 930,000 smart meters	Himachal Pradesh	50%	-	-
Advanced metering infrastructure project in West Bengal – covering more than 770,000 smart meters	West Bengal	50%	-	-

Taiwan Region and Thailand				
Assets and Services	Location	CLP's Equity Interest	Gross Capacity	CLP's Equity Capacity
Solar ¹⁰				
Lopburi Solar Farm	Thailand	33.3%	63MW	21MW
Coal				
Ho-Ping Power Station	Taiwan Region	20%	1,320MW	264MW

24 Sidhpur Wind Farm was fully commissioned in January 2025.

25 NHPC Bhanipura 1 Solar Farm commenced construction in November 2024.

26 NTPC Bhanipura 2 Solar Farm commenced construction in December 2024.

27 Paguthan Power Station did not undertake any significant commercial generation in 2024.

28 Apraava Energy increased its ownership of Kohima-Mariani Transmission Ltd. to 74% after acquiring a further 25% stake in February 2023.