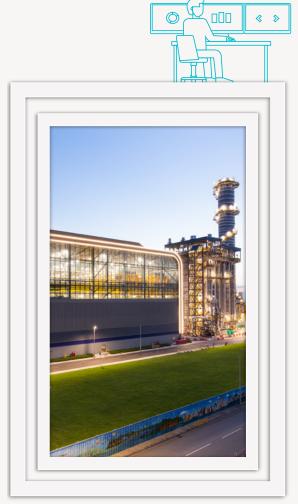


2021

Sustainability Report

Stock Code: 00002















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Key performance . metrics

Key performance metrics

CLP continually improves by managing, monitoring and reporting its ESG performance. These tables present a quantitative overview of the Group's 2021 financial and non-financial performance. The disclosures are selected from the GRI Standards, The Hong Kong Stock Exchange's ESG Reporting Guide, SASB Standards for Electric Utilities and ISSB's Climate-related Disclosures Prototype, as well as other key performance data.

Detailed discussion of these metrics can be found in the corresponding Standard ESG Disclosures sections.

The 2021 data shaded in orange has been independently verified by PricewaterhouseCoopers. The assurance scope of past years' data can be found in previous Sustainability Reports.





| Governance | 2021 | 2020 | 2019 | 2018 | 2017 | GRI/HKEx/ SASB/ISSB |
|--|------|------|------|------|------|--------------------------|
| Convicted cases of corruption reported to the Audit & Risk Committee (cases) | 0 | 0 | 0 | 0 | 0 | GRI 205-3 / HKEx B7.1 |
| Breaches of Code of Conduct reported to the Audit & Risk Committee (cases) | 12 | 25 | 31 | 20 | 28 | |

| Financial information | 2021 | 2020 | 2019 | 2018 | 2017 | GRI/HKEx/ SASB/ISSB |
|---|---------------|---------------|---------------|---------------|---------------|------------------------|
| Total capital investment incurred by asset type (HK\$M(%)) ^{1,2,3} | 15,411 (100%) | 13,022 (100%) | 12,028 (100%) | 12,851 (100%) | N/A | ISSB 13-e |
| Transmission, distribution and retail | 5,957 (39%) | 4,810 (37%) | 5,229 (43%) | 4,953 (39%) | N/A | |
| Coal | 2,628 (17%) | 3,638 (28%) | 2,473 (21%) | 3,040 (24%) | N/A | |
| Gas | 5,639 (37%) | 3,445 (26%) | 3,146 (26%) | 4,098 (32%) | N/A | |
| Nuclear | 0 (0%) | 0 (0%) | 352 (3%) | 0 (0%) | N/A | |
| Renewables ⁴ | 860 (6%) | 462 (4%) | 580 (5%) | 714 (5%) | N/A | |
| Others | 327 (2%) | 667 (5%) | 248 (2%) | 46 (0%) | N/A | |
| Total operating earnings by asset type (HK\$M(%)) ⁵ | 10,638 (100%) | 12,374 (100%) | 12,138 (100%) | 15,145 (100%) | 14,189 (100%) | |
| Transmission, distribution and retail | 5,612 (53%) | 5,751 (46%) | 5,131 (42%) | 7,427 (49%) | 8,392 (59%) | |
| Coal ⁶ | 1,020 (10%) | 2,871 (23%) | 2,503 (21%) | 3,370 (22%) | 2.004 (200/) | |
| Gas ⁶ | 1,326 (12%) | 1,510 (12%) | 1,735 (14%) | 1,533 (10%) | 3,994 (28%) | |
| Nuclear | 1,908 (18%) | 1,594 (13%) | 1,688 (14%) | 1,720 (11%) | 913 (7%) | |
| Renewables ⁷ | 519 (5%) | 575 (5%) | 1,016 (8%) | 924 (7%) | 629 (4%) | |
| Others | 253 (2%) | 73 (1%) | 65 (1%) | 171 (1%) | 261 (2%) | |



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| Financial information | 2021 | 2020 | 2019 | 2018 | 2017 | GRI/HKEx/ SASB/ISSB | |
|---|--------|--------|--------|--------|--------|------------------------|--|
| Economic value generated, distributed and retained (HK\$M) | | | | | | GRI 201-1 | |
| Economic value generated | | | | | | | |
| Revenue | 83,959 | 79,590 | 85,689 | 91,425 | 92,073 | | |
| Share of profits of non-wholly owned entities ⁸ | 1,129 | 1,608 | 1,828 | 1,509 | 609 | | |
| Economic value distributed | | | | | | | |
| Fuel costs | 18,506 | 15,753 | 16,712 | 17,187 | 15,473 | | |
| Other operating costs ⁹ | 39,922 | 35,774 | 48,654 | 43,604 | 46,325 | | |
| Staff expenses ¹⁰ | 5,107 | 4,844 | 4,535 | 4,449 | 4,195 | | |
| Finance costs ¹¹ | 1,774 | 1,875 | 2,033 | 2,107 | 2,278 | | |
| Dividends | 7,832 | 7,832 | 7,782 | 7,630 | 7,352 | | |
| Taxes¹² | 1,720 | 2,529 | 2,189 | 3,565 | 2,094 | | |
| Donations | 15 | 27 | 21 | 18 | 14 | | |
| Economic value retained ¹³ | 10,212 | 12,564 | 5,591 | 14,374 | 14,951 | | |

- 1 Numbers have been subject to rounding. Any discrepancies between the total shown and the sum of the amounts listed are due to rounding.
- 2 Capital investment includes additions to fixed assets, right-of-use assets, investment property, intangible assets, investments in and advances to joint ventures and associates, and acquisition of business/asset.
- 3 On an accrual basis.
- 4 Renewables include wind, hydro, solar and waste-to-energy. Waste-to-energy is not considered as non-carbon emitting energy. Numbers of waste-to-energy included in renewables since 2019 are as follows: 2019 - HK\$123 million; 2020 - HK\$7 million; 2021 - HK\$18 million.
- 5 Before unallocated expenses.
- 6 Starting from 2018, operating earnings of coal and gas are reported separately.
- 7 Renewables include wind, hydro, solar and waste-to-energy. Waste-to-energy is not considered as non-carbon emitting energy. Numbers of waste-to-energy included in renewables since 2019 are as follows: 2019 - HK\$5 million; 2020 - HK\$8 million; 2021 - HK\$10 million.
- 8 Includes share of results (net of income tax) from joint ventures and associates netted with earnings attributable to other non-controlling interests, which represented CLP's share of economic value created together with its business partners.
- 9 Includes impairment provision/reversal and other charges. In particular, amount included litigation settlement of HK\$1,110 million and impairment of retail goodwill of HK\$6,381 million in Australia in 2021 and 2019 respectively.
- 10 Another HK\$1,402 million (2020: HK\$1,386 million) of staff costs incurred were capitalised.
- 11 Finance costs are netted with finance income and include payments made to perpetual capital securities holders. In addition, finance costs of HK\$317 million (2020: HK\$306 million) were capitalised.
- 12 Represents current income tax but excludes deferred tax for the year.
- 13 Represents earnings attributable to shareholders (before depreciation, amortisation and deferred tax) for the year retained.

| Safety | 2021 | 2020 | 2019 | 2018 | 2017 | GRI/HKEx/ SASB/ISSB |
|--|------|------|------|------|------|----------------------------|
| Fatalities (number of personnel) ^{1,2,3} | | | | | | GRI 403-2 / |
| Fatalities - employees only | 0 | 0 | 0 | 1 | 0 | HKEx B2.1 |
| Fatalities - contractors only | 0 | 0 | 1 | 1 | 4 | |
| Fatalities - employees and contractors combined | 0 | 0 | 1 | 2 | 4 | |
| Fatality Rate (number per 200,000 work hours) ^{1,4,5} | | | | | | GRI 403-2 / HKEx B2.1 / |
| Fatality Rate - employees only | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | SASB IF- EU-320a.1 |
| Fatality Rate - contractors only | 0.00 | 0.00 | 0.01 | 0.01 | 0.03 | EU-32Ud.1 |
| Fatality Rate - employees and contractors combined | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | |

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| Safety | 2021 | 2020 | 2019 | 2018 | 2017 | GRI/HKEx/ SASB/ISSB | | |
|---|-------|-------|-------|------|------|---------------------------|--|--|
| Days Away From Work Injuries (number of personnel) ^{1,3,6} | | | | | | GRI 403-2 | | |
| Days Away From Work Injuries - employees only | 4 | 12 | 7 | 11 | 11 | | | |
| Days Away From Work Injuries - contractors only | 10 | 10 | 19 | 11 | 16 | | | |
| Days Away From Work Injuries - employees and contractors combined | 14 | 22 | 26 | 22 | 27 | | | |
| Lost Time Injury Rate (number per 200,000 work hours) ^{1.5,7} | | | | | | | | |
| Lost Time Injury Rate - employees only | 0.05 | 0.13 | 0.07 | 0.13 | 0.13 | | | |
| Lost Time Injury Rate - contractors only | 0.08 | 0.09 | 0.14 | 0.09 | 0.14 | | | |
| Lost Time Injury Rate - employees and contractors combined | 0.07 | 0.11 | 0.11 | 0.10 | 0.13 | | | |
| High-consequence Injuries (number of personnel) ^{1,8} | | | | | | | | |
| High-consequence Injuries - employees only | 0 | N/A | N/A | N/A | N/A | | | |
| High-consequence Injuries - contractors only | 1 | N/A | N/A | N/A | N/A | | | |
| High-consequence Injuries - employees and contractors combined | 1 | N/A | N/A | N/A | N/A | | | |
| Total Recordable Injury Rate (number per 200,000 work hours) ^{1.5,9} | | | | | | GRI 403-2 / SASB IF- | | |
| Total Recordable Injury Rate - employees only | 0.14 | 0.25 | 0.19 | 0.19 | 0.21 | EU-320a.1 | | |
| Total Recordable Injury Rate - contractors only | 0.29 | 0.37 | 0.52 | 0.29 | 0.36 | | | |
| Total Recordable Injury Rate - employees and contractors combined | 0.23 | 0.32 | 0.38 | 0.25 | 0.29 | | | |
| Work-related III Health (number of personnel) ^{1,3,10} | | | | | | GRI 403-10 / HKEx B2.1 | | |
| Work-related Ill Health - employees only | 1 | 0 | 0 | 1 | 0 | | | |
| Lost Days (number of days) ^{1,11} | | | | | | GRI 403-2 / | | |
| Lost Days - employees only | 30412 | 44313 | 46414 | 249 | 252 | HKEx B2.2 | | |

- 1 The system of rules applied in recording and reporting accident statistics complies with the International Labour Organization (ILO) Code of Practice on Recording and Notification of Occupational Accidents and Diseases.
- 2 Refers to the number of fatalities as a result of work-related injury.
- 3 Starting from 2021, the unit is changed from the number of cases to the number of personnel.
- 4 Refers to the number of fatal injuries per 200,000 work hours in the year.
- 5 Rates are normalised to 200,000 work hours, which approximately equals to the number of hours worked by 100 people in one year.
- 6 Starting from 2021, "Days Away From Work Injuries" replaces "Lost Time Injury". Days Away From Work Injuries refers to the number of personnel who sustains work-related injury and is unfit to perform any work on any day after the occurrence of the injury. "Any day" is any calendar day which includes rest days, weekend days, leave days, public holidays or days after ceasing employment. It does not include the day the injury incident occurred. "Days Away From Work Injuries" excludes fatalities which were included in "Lost Time Injury". Numbers prior to 2021 are the previously reported numbers for "Lost Time Injury".
- Refers to the number of Days Away From Work Injuries and Fatalities per 200,000 work hours in the year.
- 8 Refers to the number of personnel who sustains life threatening or life-altering work-related injury. It is a subset of Days Away From Work Injuries.
- $9\ \ Refers to the number of Total Recordable Injuries per 200,000 work hours in the year. Total Recordable Injuries include Fatalities, Days Away From Work Injuries, and the year of the number of Total Recordable Injuries per 200,000 work hours in the year. Total Recordable Injuries include Fatalities, Days Away From Work Injuries, and the year of y$ Restricted Work Injuries, and Medical Treatment Injuries.
- 10 Starting from 2021, "Work-related III Health" replaces "Occupational Disease". Work-related III Health includes the diseases listed in the ILO List of Occupational Diseases, work-related mental illnesses and work-related disorders. Numbers prior to 2021 are the previously reported numbers for "Occupational Disease".
- 11 Starting from 2021, "Lost Days" replaces "Days Lost". "Lost Days" is the sum total of calendar days (consecutive or otherwise) after the days on which the work-related injuries and work-related ill health occurred. "Days Lost" accounts the working days instead of calendar days. Numbers prior to 2021 are the previously reported numbers for "Days Lost".
- 12 19 out of 304 days were carried forward from one incident in 2020.
- 13 188 out of 443 days were carried forward from one incident in the past.
- 14 158 out of 464 days were carried forward from three incidents in the past.



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| Environment | 2021 | 2020 | 2019 | 2018 | 2017 | GRI/HKEx/ SASB/ISSB |
|---|---------|----------------------|----------------------|---------|---------|----------------------------|
| Resource Use & Emissions ^{1,2,3} | | | | | | |
| Nitrogen oxides emissions (NO _x) (kt) | 45.7 | 43.2 | 47.0 | 60.9 | 59.3 | GRI 305-7 / HKEx A1.1 / |
| Sulphur dioxide emissions (SO_2) (kt) | 52.7 | 48.0 | 44.7 | 76.1 | 81.6 | SASB IF- EU-120a.1 |
| Particulates emissions (kt) | 7.6 | 6.9 | 7.7 | 8.5 | 8.3 | |
| Sulphur hexafluoride (SF_6) (kt) | 0.004 | 0.003 | N/A | N/A | N/A | |
| Non-hazardous liquid waste (kl)⁴ | | | | | | GRI 306-2 / HKEx A1.4 |
| Produced | 65 | 3 | 59 | 52 | 103 | |
| Recycled | 65 | 3 | 57 | 52 | 103 | |
| Non-hazardous solid waste (t) ⁴ | | | | | | |
| Produced | 24,481 | 17,901 | 13,344 | 11,471 | 20,334 | |
| Recycled | 4,214 | 4,458 | 4,986 | 3,990 | 3,790 | |
| Hazardous liquid waste (kl) ⁴ | | | | | | GRI 306-2 / HKEx |
| Produced | 1,017 | 1,091 | 1,578 | 1,685 | 1,420 | A1.3 |
| Recycled | 947 | 1,069 | 1,536 | 1,648 | 1,384 | |
| Hazardous solid waste (t) ⁴ | | | | | | |
| Produced | 1,524 | 1,503 | 862 | 1,435 | 857 | |
| Recycled | 520 | 523 | 201 | 631 | 469 | |
| Ash (kt) | | | | | | SASB IF- |
| Produced | 3,403 | 2,624 | 3,032 | 3,419 | 3,005 | EU-150a.1 |
| Recycled and sold | 2,501 | 1,793 | 3,667 | 2,263 | 1,745 | |
| Gypsum (kt) | | | | | | |
| Produced | 367 | 334 | 441 | 253 | 156 | |
| Recycled and sold | 365 | 335 | 438 | 250 | 161 | |
| Total water withdrawal (Mm³) ⁵ | 5,160.0 | 5,162.7 ⁶ | 5,219.96 | 5,153.6 | 4,480.6 | GRI 2-4, 303-3 / |
| For cooling purpose | | | | | | HKEx A2.2 / SASB IF- |
| Water withdrawal from freshwater resources | 42.5 | 35.1 | 45.7 | 53.3 | 47.6 | EU-140a.1 |
| Water withdrawal from marine water resources | 5,107.4 | 5,117.0 ⁶ | 5,161.7 ⁶ | 5,087.3 | 4,421.7 | |
| For non-cooling purposes | | | | | | |
| Water withdrawal from freshwater resources | 5.3 | 5.7 | 5.8 | 6.0 | 4.9 | |
| Water withdrawal from municipal sources | 4.8 | 4.9 | 6.7 | 7.0 | 6.4 | |



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| Environment | 2021 | 2020 | 2019 | 2018 | 2017 | GRI/HKEx/ SASB/ISSB |
|--|---------|----------------------|----------------------|---------|---------|------------------------|
| Total water discharge (Mm³) ^{5.7} | 5,122.5 | 5,133.8 ⁶ | 5,179.6 ⁶ | 5,103.2 | 4,437.7 | GRI 2-4, 303-4 |
| From cooling process | | | | | | |
| Treated wastewater to freshwater bodies | 0 | 0 | 0 | 0 | 0 | |
| Water discharge to marine water bodies | 5,107.4 | 5,117.0 ⁶ | 5,161.7 ⁶ | 5,087.3 | 4,421.7 | |
| Wastewater to other destinations | 0 | 0 | 0 | 0.02 | 0.05 | |
| From non-cooling processes | | | | | | |
| Treated wastewater to freshwater bodies | 11.9 | 13.7 | 14.4 | 12.3 | 12.3 | |
| Treated wastewater to marine water bodies | 1.3 | 1.5 | 1.7 | 1.6 | 1.6 | |
| Wastewater to other destinations | 1.9 | 1.6 | 1.7 | 1.9 | 2.0 | |
| Wastewater to sewerage | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | |
| Environmental compliance ^{1,2} | | | | | | GRI 2-27 |
| Environmental regulatory non-compliances resulting in fines or prosecutions (number) | 0 | 0 | 0 | 0 | 0 | |
| Environmental licence limit exceedances & other non-compliances (number) | 9 | 4 | 10 | 2 | 13 | |

- Numbers include operating assets where CLP has operational control during the calendar year.
 Paguthan Power Station, the power purchase agreements of which expired in December 2018, was not included in the 2019-2021 numbers.
- 3 Since 2019, numbers at the asset level have been aggregated and then rounded.
- 4 Waste categorised in accordance with local regulations.
- Numbers have been subject to rounding. Any discrepancies between the total shown and the sum of the amounts listed are due to rounding.
 Restated as per updated data for Newport Power Station in Australia.
- 7 Starting from 2019, Yallourn Power Station's "water discharged to third-parties", which was previously reported under "wastewater to sewerage", has been reported under "wastewater to other destinations".

| GHG emissions | 2021 | 2020 | 2019 | 2018 | 2017 | GRI/HKEx/ SASB/ISSB |
|---|--------|--------|--------|------|------|---|
| CLP Group¹ | | | | | | |
| Total CO₂e emissions – on an equity basis (kt) ^{2,3} | 65,017 | 62,138 | 71,720 | N/A | N/A | GRI 305-1, 305-2, |
| Scope 1 (kt)⁴ | 47,690 | 45,105 | 50,047 | N/A | N/A | 305-3 / |
| Scope 2 (kt) | 236 | 244 | 250 | N/A | N/A | HKEx A1.2 / SASB IF- |
| Scope 3 (kt) | 17,091 | 16,790 | 21,424 | N/A | N/A | EU-110a.1, IF-EU-110a.2 / ISSB 13-a |
| Category 1: Purchased goods and services | 901 | 1,210 | 1,093 | N/A | N/A | |
| Category 2: Capital goods | 1,488 | 685 | 1,347 | N/A | N/A | |
| Category 3: Fuel- and energy- related activities | 12,733 | 12,690 | 16,671 | N/A | N/A | SASB IF- EU-110a.2 |
| Category 5: Waste generated in operations | 80 | 63 | 101 | N/A | N/A | |
| Category 6: Business travel | 1 | 1 | 8 | N/A | N/A | |
| Category 7: Employee commuting | 4 | 2 | 4 | N/A | N/A | |
| Category 11: Use of sold products | 1,884 | 2,138 | 2,200 | N/A | N/A | |

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| GHG emissions | 2021 | 2020 | 2019 | 2018 | 2017 | GRI/HKEx/ SASB/ISSB |
|--|--------|--------|--------|--------|---------------------|---------------------------------------|
| CLP Group's generation and energy storage portfolio ^{3,4,5} | | | | | | |
| CO ₂ – on an equity basis (kt) ⁶ | 47,574 | 44,987 | N/A | N/A | N/A | GRI 305-1, |
| CO₂e – on an equity basis (kt) ⁶ | 47,813 | N/A | N/A | N/A | N/A | 305-2 / HKEx A1.2 |
| CO ₂ – on an equity plus long- term capacity and energy purchase basis (kt) ^{7,8} | 51,674 | 48,621 | N/A | N/A | N/A | |
| CO ₂ e – on an equity plus long- term capacity and energy purchase basis (kt) ^{7,8} | 51,941 | N/A | N/A | N/A | N/A | |
| CO ₂ – on an operational control basis (kt) ⁶ | 46,842 | 43,808 | 50,412 | 52,052 | 47,921 ⁹ | |
| CO₂e – on an operational control basis (kt) ⁶ | 47,090 | 44,023 | 50,676 | 52,306 | 48,082 | |
| Climate Vision 2050 | | | | | | |
| CLP Group – GHG emissions intensity of generation and energy storage portfolio ^{3,4,5,10} | | | | | | GRI 305-4 / HKEx A1.2 / ISSB 15 |
| On an equity plus long-term capacity and energy purchase basis (kg CO ₂ e/kWh) ^{7,8} | 0.57 | 0.57 | 0.63 | 0.66 | 0.69° | |
| On an equity basis (kg CO₂e/kWh)6 | 0.65 | 0.66 | 0.71 | 0.74 | 0.809 | |
| CLP Power Hong Kong – GHG emissions intensity of electricity sold ^{4,11} | | | | | | |
| CO₂e emissions intensity of electricity sold by CLP Power Hong Kong (kg CO₂e/kWh) | 0.39 | 0.37 | 0.50 | 0.51 | 0.51 | |
| CO ₂ emissions intensity of electricity sold by CLP Power Hong Kong (kg CO ₂ /kWh) | 0.39 | 0.37 | 0.49 | 0.51 | 0.50 | |

- 1 Refers to a range of businesses, including generation and energy storage portfolio, transmission and distribution, retail and others.
- 2 Numbers have been subject to rounding. Any discrepancies between the total shown and the sum of the amounts listed are due to rounding.
- 3 Paguthan Power Station, the power purchase agreements of which expired in December 2018, was not included in the 2019-2021 numbers.
- 4 In accordance with the Greenhouse Gas Protocol, WE Station, which makes use of landfill gas from waste for power generation, is not included in CLP's Scope 1 CO₂ emissions and is reported separately in the Asset Performance Statistics. Its non-CO₂ GHG emissions (i.e. CH₄ and N₂O) are included in CLP's Scope 1 CO₂e emissions.
- 5 Starting from 2020, the portfolio includes energy storage assets and generation assets. Energy storage assets include pumped storage and battery storage. In previous years, the portfolio included generation assets only.
- 6 Numbers include Scope 1 and Scope 2 emissions.
- 7 Numbers include assets with majority and minority shareholdings, and those under "long-term capacity and energy purchase" arrangements with CLP. Starting from 2018, "long-term capacity and energy purchase" has been defined as a purchase agreement with a duration of at least five years, and capacity or energy purchased being no less than 10MW.
- 8 Numbers include Scope 1, Scope 2 and Scope 3 Category 3 emissions (direct emissions from generation of purchased electricity that is sold to CLP's customers).
- 9 CO₂e emissions of Yallourn and Hallet Power Stations were used to calculate CO₂emissions metrics in 2017 due to limited data availability.
- 10 The 2019-2021 numbers refer to the GHG emissions intensity (kg CO₂e/kWh), in line with the updated Climate Vision 2050 targets. Numbers prior to 2019 refer to carbon emissions intensity (kg CO₂/kWh), as reported in the past.
- 11 "Electricity sold" is the total electricity energy sold to CLP Power Hong Kong's customers before the adjustment of Renewable Energy Certificates.

| Asset management | 2021 | 2020 | 2019 | 2018 | 2017 | GRI/HKEx/ SASB/ISSB |
|---|----------------|----------------|----------------|----------------|----------------|------------------------|
| Generation and energy storage capacity by asset type (MW(%))1.2 | | | | | | GRI 2-4 / ISSB 13 |
| Total generation and energy storage capacity - on an equity basis | 20,018 (100%) | 19,691 (100%) | 19,238 (100%) | 19,108 (100%) | 19,395 (100%) | |
| Coal | 10,795 (53.9%) | 10,765 (54.7%) | 10,765 (56.0%) | 10,765 (56.3%) | 11,401 (58.8%) | |
| Gas | 4,666 (23.3%) | 4,600 (23.4%) | 4,194 (21.8%) | 4,147 (21.7%) | 3,434 (17.7%) | |



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| Asset management | 2021 | 2020 | 2019 | 2018 | 2017 | GRI/HKEx/ SASB/ISSB |
|--|----------------|----------------------------|----------------|----------------|----------------|--|
| Nuclear | 1,600 (8.0%) | 1,600 (8.1%) | 1,600 (8.3%) | 1,600 (8.4%) | 1,600 (8.2%) | <u> </u> |
| Wind ³ | 1,747 (8.7%) | 1,521 (7.7%) | 1,521 (7.9%) | 1,521 (8.0%) | 1,941 (10.0%) | |
| Hydro ³ | 489 (2.4%) | 489 (2.5%) | 489 (2.5%) | 489 (2.6%) | 489 (2.5%) | |
| Solar ³ | 499 (2.5%) | 499 (2.5%) | 451 (2.3%) | 369 (1.9%) | 321 (1.7%) | |
| Waste-to-energy³ | 7 (0.0%) | 7 (0.0%) | 7 (0.0%) | 7 (0.0%) | N/A | |
| Energy Storage | 5 (0.0%) | 0 (0.0%) | N/A | N/A | N/A | |
| Others | 210 (1.0%) | 210 (1.1%) | 210 (1.1%) | 210 (1.1%) | 210 (1.1%) | |
| Total generation and energy storage capacity - on an equity plus long-term capacity and energy purchase basis ⁴ | 25,108 (100%) | 24,752 (100%)5 | 24,015 (100%) | 23,705 (100%) | 24,554 (100%) | |
| Coal | 12,027 (47.9%) | 11,997 (48.5%) | 11,997 (50.0%) | 11,997 (50.6%) | 12,633 (51.4%) | |
| Gas | 5,813 (23.2%) | 5,717 (23.1%) | 5,139 (21.4%) | 5,084 (21.4%) | 5,322 (21.7%) | |
| Nuclear | 2,685 (10.7%) | 2,685 (10.8%) | 2,685 (11.2%) | 2,685 (11.3%) | 2,488 (10.1%) | |
| Wind⁴ | 2,331 (9.3%) | 2,105 (8.5%)5 | 2,049 (8.5%) | 1,982 (8.4%) | 2,401 (9.8%) | |
| Hydro ⁶ | 489 (1.9%) | 489 (2.0%) | 489 (2.0%) | 489 (2.1%) | 489 (2.0%) | |
| Solar ⁶ | 793 (3.2%) | 793 (3.2%) | 745 (3.1%) | 558 (2.4%) | 321 (1.3%) | |
| Waste-to-energy ⁶ | 10 (0.0%) | 10 (0.0%) | 10 (0.0%) | 10 (0.0%) | N/A | |
| Energy Storage | 660 (2.6%) | 655 (2.6%) | N/A | N/A | N/A | |
| Others | 300 (1.2%) | 300 (1.2%) | 900 (3.7%) | 900 (3.8%) | 900 (3.7%) | |
| Energy sent out by asset type (GWh(%)) ^{17,8} | | | | | | GRI 2-4 / SASB IF |
| Total energy sent out - on an equity basis | 73,113 (100%) | 68,699 (100%) | 70,949 (100%) | N/A | N/A | EU-000.D / ISSE 13 |
| Coal | 42,002 (57.4%) | 39,438 (57.4%) | 44,596 (62.9%) | N/A | N/A | |
| Gas | 13,233 (18.1%) | 12,390 (18.0%) | 9,979 (14.1%) | N/A | N/A | |
| Nuclear | 12,302 (16.8%) | 11,192 (16.3%) | 10,888 (15.3%) | N/A | N/A | |
| Wind ⁹ | 2,959 (4.0%) | 2,886 (4.2%) | 2,924 (4.1%) | N/A | N/A | |
| Hydro ⁹ | 1,668 (2.3%) | 1,879 (2.7%) | 1,758 (2.5%) | N/A | N/A | |
| Solar ⁹ | 922 (1.3%) | 898 (1.3%) | 805 (1.1%) | N/A | N/A | |
| Waste-to-energy ⁹ | 27 (0.0%) | 15 (0.0%) | 0 (0.0%) | N/A | N/A | |
| Energy Storage | 0 (0.0%) | 0 (0.0%) | N/A | N/A | N/A | |
| Others | 0 (0.0%) | 1 (0.0%) | 0 (0.0%) | N/A | N/A | |
| Total energy sent out - on an equity plus long- term capacity and energy purchase basis ^{4,10} | 91,183 (100%) | 85,949 (100%) ⁵ | 88,573 (100%) | 100% | 100% | GRI 2-4 / SASB IF- EU-000.B / ISSE |
| Coal | 43,995 (48.2%) | 41,118 (47.8%) | 48,512 (54.8%) | 60% | 61% | |
| Gas | 18,461 (20.2%) | 17,157 (20.0%) | 13,073 (14.8%) | 12% | 15% | |
| Nuclear | 20,962 (23.0%) | 19,923 (23.2%) | 19,400 (21.9%) | 20% | 15% | |
| Wind ¹¹ | 4,611 (5.1%) | 4,445 (5.2%)5 | 4,474 (5.0%) | | | |
| Hydro ¹¹ | 1,668 (1.8%) | 1,879 (2.2%) | 1,758 (2.0%) | 8% | 9% | |
| Solar ¹¹ | 1,524 (1.7%) | 1,522 (1.8%) | 1,467 (1.7%) | | | |
| Waste-to-energy ¹¹ | 38 (0.0%) | 22 (0.0%) | 0 (0.0%) | N/A | N/A | |
| Energy Storage | -75 (-0.1%) | -118 (-0.1%) | N/A | N/A | N/A | |
| Others | 1 (0.0%) | 1 (0.0%) | -109 (-0.1%) | 0% | 0% | |
| Total energy sent out (GWh) - on an operational control basis | 62,967 | 58,918 | N/A | N/A | N/A | SASB IF- EU-000.D / ISSB 13 |



Welcome

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Key performance metrics

| Asset management | 2021 | 2020 | 2019 | 2018 | 2017 | GRI/HKEx/ SASB/ISSB |
|---|---------|---------|---------|---------|---------|--------------------------|
| Fuel use ^{8,12} | | | | | | |
| Coal consumed (for power generation) (TJ) | 426,190 | 403,379 | 485,453 | 521,568 | 471,976 | GRI 302-1 / HKEx A2.1 |
| Gas consumed (for power generation) (TJ) | 142,304 | 134,776 | 107,183 | 83,364 | 91,426 | |
| Oil consumed (for power generation) (TJ) | 2,717 | 2,243 | 2,620 | 3,807 | 5,069 | |

- 1 Numbers have been subject to rounding. Any discrepancies between the total shown and the sum of the amounts listed are due to rounding.
- 2 Starting from 2020, a new "Energy Storage" asset category is added, under which pumped storage and battery storage are included. In previous years, assets under the "Others" category included oil-fired generation assets and pumped storage.
- 3 Renewables include wind, hydro, solar and waste-to-energy. The total capacity of renewables on an equity basis is 2,743 MW (13.7%) in 2021.
- 4 Numbers include assets with majority and minority shareholdings, and those under "long-term capacity and energy purchase" arrangements with CLP. Starting from 2018, "long-term capacity and energy purchase" is defined as a purchase agreement with a duration of at least five years, and capacity or energy purchased agreement with a duration of at least five years, and capacity or energy purchased agreement with a duration of at least five years, and capacity or energy purchased agreement with a duration of at least five years, and capacity or energy purchased agreement with a duration of at least five years, and capacity or energy purchased agreement with a duration of at least five years, and capacity or energy purchased agreement with a duration of at least five years, and capacity or energy purchased agreement with a duration of at least five years, and capacity or energy purchased agreement with a duration of at least five years, and capacity or energy purchased agreement with a duration of at least five years, and capacity or energy purchased agreement with a duration of at least five years, and capacity or energy purchased agreement with a duration of a dbeing no less than 10MW.
- 5 Restated as per updated data for Power Purchase Agreement (PPA) of Waterloo Wind Farm in Australia.
- 6 Renewables include wind, hydro, solar and waste-to-energy. The total capacity of renewables on an equity plus long-term capacity and energy purchase basis is 3,624 MW (14.4%) in 2021.
- 7 Starting from 2020, a new "Energy Storage" asset category is added, under which pumped storage and battery storage are included. In previous years, assets under the "Others" category included oil-fired generation assets and pumped storage.
- 8 Paguthan Power Station, the power purchase agreements of which expired in December 2018, was not included in the 2019-2021 numbers.
- 9 Renewables include wind, hydro, solar and waste-to-energy. The total sent out of renewables on an equity basis is 5,576 GWh (7.6%) in 2021.
- 10 Only percentages are available for the years 2017-18.
- 11 Renewables include wind, hydro, solar and waste-to-energy. The total sent out of renewables on an equity plus long-term capacity and energy purchase basis is 7,840 GWh (8.6%) in 2021.
- 12 Numbers include operating assets where CLP has operational control during the calendar year.

| People | 2021 | 2020 | 2019¹ | 2018 | 2017 | GRI/HKEx/ SASB/ISSB |
|--|-------|-------|-------|-------|-------|--------------------------|
| Total employees by region (number) | 8,116 | 8,060 | 7,960 | 7,634 | 7,542 | GRI 2-7 / HKEx B1.1 |
| Hong Kong | 4,771 | 4,689 | 4,604 | 4,538 | 4,504 | |
| Mainland China | 627 | 609 | 607 | 596 | 577 | |
| Australia | 2,281 | 2,320 | 2,280 | 2,042 | 1,998 | |
| India | 437 | 442 | 469 | 458 | 463 | |
| Total employees eligible to retire within the next five years (%) ² | 14.6 | 14.5 | 13.9 | 16.4 | 15.1 | GRI EU15 |
| Hong Kong | 20.1 | 20.4 | 19.5 | 20.0 | 18.6 | |
| Mainland China | 15.1 | 13.4 | 14.5 | 13.2 | 10.6 | |
| Australia ³ | 6.6 | 5.7 | 5.4 | 12.8 | 12.2 | |
| India | 5.0 | 5.1 | 4.8 | 4.0 | 2.4 | |
| Voluntary staff turnover rate (%) ^{4,5} | | | | | | GRI 401-1 / |
| Hong Kong | 4.6 | 3.1 | 2.4 | 2.3 | 1.9 | HKEx B1.2 |
| Mainland China | 2.3 | 1.3 | 2.0 | 4.7 | 3.0 | |
| Australia | 16.1 | 7.7 | 12.9 | 13.6 | 13.8 | |
| India | 6.9 | 4.7 | 6.6 | 5.6 | 3.5 | |
| Average training hours per employee (hours) | 51.6 | 42.5 | 40.1 | 46.1 | 46.9 | GRI 404-1 / HKEx B3.2 |

- 1 Starting from 2019, the numbers have included full-time and part-time employees. Numbers in the previous years included full-time employees only.
- 2 The percentages given refer to permanent employees within each region, who are eligible to retire within the next five years.
- 3 There is no mandatory retirement age in Australia. Since 2019, the retirement age assumption has been adjusted from 60 to 65 to reflect local norms, which led to a significantly lower percentage compared to previous years. Numbers in previous years adopting the adjusted retirement age for Australia are as follows: 2017 - Australia: 4.8% / Group total: 12.9%; 2018 - Australia: 4.6% / Group total: 14.0%
- 4 Voluntary staff turnover refers to employees leaving the organisation voluntarily and does not include dismissal, retirement, company-initiated termination or end of contract.
- 5 Includes permanent employees except for Mainland China, which includes both permanent and fixed-term contract employees due to local employment legislation.

The 2021 data shaded in orange has been independently verified by PricewaterhouseCoopers. The assurance scope of past years' data can be found in previous Sustainability Reports.



Materiality Assessment



Glossary

