

Summary of Carbon Footprint for Listed Companies

上市公司碳足跡摘要

Part 1 Reporting Entity Information 第一部分 報告機構資料

1.1 Company information 公司資料

Name of reporting entity: 報告機構名稱:	Eng: Hong Kong Exchanges and Clearing Limited 中文: 香港交易及結算所有限公司	Stock code: 股份代號:	00388
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Hang Seng Industry Classification 恆生行業分類(HSIC):

(i) Industry: 行業:	Financials 金融業 - 50
(ii) Sector: 業務類別:	Other Financials 其他金融 - 503

1.2 Basis of information reported in this form (e.g. weblink(s) to the carbon audit report, GHG accounting report, Environmental, Social and Governance report (ESG report) or sustainability report (GHG emission-related chapter) of the reporting entity, etc)

報告內容的基礎 (例如: 報告機構的碳審計報告、溫室氣體排放核算報告、「環境、社會及管治報告」或可持續發展報告(與溫室氣體排放有關的章節)之網絡連結等):

Hong Kong Exchanges and Clearing Limited (HKEX) 2018 Corporate Social Responsibility Report (<https://www.hkexgroup.com/-/media/HKEX-Group-Site/ssd/Investor-Relations/Regulatory-Reports/documents/2019/c190319csr.pdf>) 香港交易及結算所有限公司 (香港交易所) 2018年企業社會責任報告 (<https://www.hkexgroup.com/-/media/HKEX-Group-Site/ssd/Investor-Relations/Regulatory-Reports/documents/2019/c190319csr.pdf>)

Attachment 附件

Additional files upload if any (not more than 3 files, not exceeding 2Mb per file) 上載附件檔案(如有)(不多於3個檔案及每個檔案少於2MB)

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Part 2 Greenhouse Gas (GHG) Emissions 第二部分 溫室氣體排放

2.1 GHG Emission Data 溫室氣體排放數據

Reporting period: 報告期:	2018-01-01 To (至) 2018-12-31
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GHG Accounting Standard / Guideline: 溫室氣體核算標準 / 指引:	<input checked="" type="checkbox"/> EPD/ EMSD Guidelines 環境保護署/ 機電工程署指引 <input checked="" type="checkbox"/> GHG Protocol 溫室氣體議定書 <input type="checkbox"/> International Organization for Standardization (ISO) 14064 國際標準化組織 (ISO) 14064 <input checked="" type="checkbox"/> Others, please specify: (其他, 請說明): “Environmental Reporting Guidelines: Including mandatory greenhouse gas emissions reporting guidance” issued by the Department for Environment, Food & Rural Affairs in the United Kingdom 英國環境食品及農務部發布的《環境報告指引: 包括強制溫室氣體排放報告指引》
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Operational boundary Note 1 營運邊界 備註 1	Brief descriptions on emission sources 排放來源簡述	Emission data 排放數據
Scope 1 範圍 1:	Corporate fleet, backup generators 公司車隊, 後備發電機	38 tonnes CO ₂ -e (公噸二氧化碳當量)
Scope 2 範圍 2:	Purchased electricity 購買的電力	18,289 tonnes CO ₂ -e (公噸二氧化碳當量)
Scope 3 範圍 3:	Business travel, paper consumption, staff commuting, Waste to landfill 公幹, 耗紙量, 僱員通勤, 棄置廢物於堆填區	1,862 tonnes CO ₂ -e (公噸二氧化碳當量)

Reported GHG emissions in total: 所報告的溫室氣體排放總和:	20,189 tonnes CO ₂ -e (公噸二氧化碳當量)
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2.2 Company related information 與公司有關的資料

Total number of full-time-equivalent employees of the entity(s) covered in the reported GHG emission data during the reporting	1,990
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period: 報告期內溫室氣體排放數據所涵蓋機構的相等於全職僱員總人數:	
Total gross floor area owned/controlled by the entity(s) covered in the reported GHG emission data during the reporting period (m ²): 報告期內溫室氣體排放數據所涵蓋機構擁有/控制的總樓面面積(平方米):	55,688
Total revenue of the entity(s) covered in the reported GHG emission data during the reporting period (HK\$ million): 報告期內溫室氣體排放數據所涵蓋機構的總收入(百萬港元):	14,252

Other information which is relevant to the entity's business operations covered in the reported GHG emissions during the reporting period, please specify (e.g., total no. of passengers, total no. of customers, total unit of goods produced, total no. of hotel rooms occupied, total kWh electricity generated, or total measures of freight load, etc.):
報告期內溫室氣體排放數據所涵蓋機構的其他有關營運資料,請說明(例如:乘客總人數、顧客總人數、製成產品總數量、酒店入住房間總數、總發電量(千瓦/小時)或貨運總量等):

2.3. Geographical coverage of reported GHG emission data 所報告的溫室氣體排放數據地域範圍:

<input checked="" type="checkbox"/> Operations within Hong Kong 香港以內的營運
<input checked="" type="checkbox"/> Operations outside Hong Kong (Please specify city(ies)/country(ies)) 香港以外的營運 (請說明城市/國家名稱): London 倫敦
Please also specify the percentage of GHG emissions arising from Hong Kong operations 請同時說明由香港營運所產生的溫室氣體百分比: 95 %

<input checked="" type="checkbox"/> Subsidiaries 附屬公司	Please list out the subsidiaries covered in the GHG emission data during the reporting period: 請列出報告期內溫室氣體排放數據所涵蓋的附屬公司:	
	1	Ganghui Financial Information Services (Shanghai) Limited 港輝金融信息服務(上海)有限公司
	2	Gangsheng Information Services (Shanghai) Limited 港盛信息服務(上海)有限公司
	3	Gangsheng Technology Services (Shenzhen) Limited 港勝技術服務(深圳)有限公司
	4	Gangyu Information Services (Shenzhen) Limited 港裕信息服務(深圳)有限公司
	5	HK Conversion Agency Services Limited 香港證券兌換代理服務有限公司
	6	HKEX (China) Limited 香港交易所(中國)有限公司
	7	HKEX Foundation Limited 香港交易所慈善基金有限公司
	8	HKEX Hosting Services Limited 香港交易所設備託管服務有限公司
	9	HKEX Information Services Limited 香港交易所資訊服務有限公司
	10	HKEX International Limited
	11	HKEX Investment (China) Limited
	12	HKEX Investment (Hong Kong) Limited 香港交易所投資(香港)有限公司
	13	HKEX Investment (UK) Limited
	14	HKEX Property Limited
	15	HKFE Clearing Corporation Limited 香港期貨結算有限公司
	16	HKSCC Nominees Limited 香港中央結算(代理人)有限公司
	17	Hong Kong Futures Exchange Limited 香港期貨交易所有限公司
	18	Hong Kong Securities Clearing Company Limited 香港中央結算有限公司
	19	LME Clear Limited
	20	LME Holdings Limited
	21	OTC Clearing Hong Kong Limited 香港場外結算有限公司
	22	Qianhai Mercantile Exchange Co., Ltd. 深圳前海聯合交易中心有限公司
	23	The London Metal Exchange
	24	The SEHK Options Clearing House Limited 香港聯合交易所期權結算所有限公司
25	The Stock Exchange of Hong Kong Limited 香港聯合交易所有限公司	

Additional information on physical boundary in relation to GHG emission reported (if applicable):
與所報告的溫室氣體排放數據相關之建築物邊界的附加資料(如適用):

The GHG emissions data covers the Group's operation in Hong Kong and London only, excluding its offices in the Mainland and Singapore.
溫室氣體排放數據僅涵蓋集團於香港及倫敦的營運,不包括於中國內地及新加坡的辦事處。

Part 3 GHG Emission Reduction Measures, Future Initiatives and Targets 第三部分 減少溫室氣體排放的措施、未來計劃及目標

3.1 GHG emission reduction measures implemented during the Reporting Period 在報告期內減少溫室氣體排放的措施

No. 列序	GHG Emission Reduction Measures 減少溫室氣體排放的措施
1	In HKEX's new offices at Exchange Square in Central, all T8 fluorescent tubes were replaced with LED lamps in 2018, which will lead to an estimated annual saving of about 220,000 kWh of electricity or about 175 tonnes CO ₂ e of GHG emissions. A zone lighting control system was installed in open offices, while motion detectors were installed in some enclosed offices to control the use of lighting and the corresponding energy consumption. 2018年,香港交易所位於中環交易廣場的新辦公室內所有T8熒光燈管已全部換上LED燈,估計每年可減少用電約220,000千瓦小時,相當於減少175噸二氧化碳當量的溫室氣體排放。為控制照明及相應的能源耗用,新辦公室內均安裝區域照明控制系統(開放式辦公室)及動作感應器(部分的封閉式辦公室)。
2	The Exchange continues to encourage investors to use electronic IPO (eIPO) services when applying for shares relating to new listings in the primary market. In 2018, 94 per cent of issuers arranged eIPO services during their new listing. HKEX donated \$100,000 to the Friends of the Earth (HK) in 2018 to encourage its shareholders to receive corporate communications digitally. 為推動市場採用環保措施,聯交所繼續鼓勵投資者使用電子首次公開招股服務申請集資市場新上市股份,2018年,94%發行人在新上市期間安排電子首次公開招股服務。此外,香港交易所也繼續鼓勵股東以電子方式收取公司通訊,2018年度就此向香港地球之友捐贈10萬元。
3	To reduce plastic wastes, paper straws instead of plastic ones are used in the Data Centre's canteen starting from September. 為減少塑料廢物,數據中心員工餐廳由9月起使用紙飲管代替塑料飲管。

4	<p>HKEX continued to support the Wood Recycling and Tree Conservation Scheme organised by the Hong Kong Environmental Protection Association in 2018 by recycling three peach blossom trees used for Chinese New Year decorations. 香港交易所亦於2018年繼續支持香港環境保護協會的「木材回收樹木保育計劃」,安排回收於農曆新年期間擺放的三株桃花。</p>
5	<p>HKEX launched a new Better World Speaker Series in 2018 to raise awareness among its employees about the challenges shaping our community and our environment. David Yeung, Founder and Chief Executive Officer of Green Monday and the Awardee of the 2018 Social Entrepreneur of the Year at the WEF, was invited to speak on climate change, healthy living and eating in November. 為加強僱員對社區和環境所面對挑戰的關注,香港交易所於2018年推出全新 Better World Speaker 講座系列。11月的分享會請來Green Monday 創辦人兼行政總裁暨世界經濟論壇2018年社會企業家得獎者楊大偉先生,為150多名香港交易所僱員講解氣候變化、健康生活及健康飲食議題。</p>
6	<p>During 2018, HKEX conducted environmental inspections at its Hong Kong offices in line with its CSR management system guidelines. Recommendations on energy and resource saving, office waste reduction and water conservation were provided to employees to raise their environmental awareness and further improve the office's overall environmental performance. 2018年,香港交易所根據其企業社會責任管理系統的指引,在香港辦公室進行了環境檢查,並向僱員提供有關減少耗用能源、減廢和節約用水的建議,以提高他們的環保意識及進一步改善辦公室整體環保表現。</p>
7	<p>The Listing Rules amendments were announced in February 2019 and took effect on 1 March 2019 to require structured product issuers to submit their financial reports and listing documents to the Exchange in electronic form only. 《上市規則》修訂條文已於2019年2月公布,並於2019年3月1日生效,規定結構性產品發行人以電子方式向聯交所呈交財務報告及上市文件。</p>
8	<p>HKEX participated in the WWF's Earth Hour 2018 by turning off non-essential lights in its Hong Kong offices for an hour to support energy conservation. 香港交易所參加世界自然基金會「地球一小時2018」,關掉香港辦公室非必要照明一小時,支持節能。</p>
9	<p>34 HKEX volunteers joined the Food Angel programme in April to rescue surplus food and prepare meals for the underprivileged. 34名香港交易所義工於4月參加惜食堂舉辦的活動,回收剩餘食物並為弱勢社群提供膳食。</p>
10	<p>HKEX was one of the sponsors of the WWF's Walk for Nature at Mai Po in November to promote the conservation of Hong Kong's natural environment. 63 HKEX volunteers and their guests participated in the event to enjoy nature up-close, raising their awareness of conservation issues and sustainable living. 香港交易所贊助世界自然基金會11月在米埔舉行「步走大自然」,以協助促進香港自然環境的保育。63名香港交易所義工及其親友參與該活動,透過親臨大自然,提高對保育事宜及可持續生活的意識。</p>

3.2 GHG emission reduction measures for future initiatives and targets

為未來計劃及目標而制訂的減少溫室氣體排放措施

No. 列序	Future Initiatives 未來計劃	Target GHG Reduction (Qualitative/ Quantitative) 減排目標 (性質/數量)
1	To responsibly manage the environmental impact of our operations 負責任地管理業務營運對環境的影響	To reduce the carbon emissions in association of the electricity consumption and waste generation in our operations 減少營運中因電力消耗及廢物產生的碳排放

Part 4 Verification information

第四部分 核證

Has verification note 2 been conducted? 是否曾經進行核證? 備註 2	<input checked="" type="radio"/> Yes – please fill in the blanks below (是 – 請填寫以下空格) <input type="radio"/> No (否)
Verification body 核證機構:	Hong Kong Quality Assurance Agency 香港品質保證局
	<input checked="" type="checkbox"/> Others, please specify: (其他, 請說明): International Standard on Assurance Engagements 3000 (Revised), Assurance Engagements Other Than Audits or Reviews of Historical Financial Information issued by the International Auditing and Assurance Standards Board 國際審計與核證準則委員會發布的《國際核證聘用準則3000(修訂版), 歷史財務資料審計或審閱以外的核證聘用》
Date of verification: 核證日期:	2019-02-04
Remarks (e.g. various verification status for different subsidiaries): 備註(例如: 各附屬公司的核證情況):	