

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: Hang Lung Group Limited 中文: 恒隆集團有限公司	Stock code: 股份代號:	00010
Hang Seng Industry Classification 恆生行業分類(HSIC):			
(i) Industry: 行業:	Properties & Construction 地產建築業 - 60 ▼		
(ii) Sector: 業務類別:	Properties 地產 - 601 ▼		
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):			
Sustainability Report 2017: <a href="http://www.hanglung.com/SustainabilityReports/2017/HLG_HLG_SR2017_EN.pdf">http://www.hanglung.com/SustainabilityReports/2017/HLG_HLG_SR2017_EN.pdf</a>			
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)  File Description 文件描述: File 文件:  File Description 文件描述: File 文件:  File Description 文件描述: File 文件:			
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:	2017-01-01 To (至) 2017-12-31		
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 type="checkbox"/> GHG Protocol 溫室氣體議定書 <input checked="" 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): Greenhouse Gas Accounting Tool for Chinese Cities (2013) published by World Resources Institute (WRI), Institute of Urban and Environmental Studies of the Chinese Academy of Social Sciences (CASS), World Wide Fund for nature (WWF) & Institute for Sustainable Communities (ISC).		
Operational boundary Note: 營運邊界 備註:	Brief descriptions on emission sources 排放來源簡述	Emission data 排放數據	
Scope 1 範圍 1:	1) From stationary combustion sources, e.g. diesel combustion in emergency generators and natural gas; and 2) From refrigeration/ air-conditioning equipment, e.g. refrigerant	4967.91 tonnes CO <sub>2</sub> -e (公噸二氧化碳當量)	
Scope 2 範圍 2:	1) From electricity purchased from power companies and 2) From hot water and steam purchased	231363.82 tonnes CO <sub>2</sub> -e (公噸二氧化碳當量)	
Scope 3 範圍 3:		tonnes CO <sub>2</sub> -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:	236331.73 tonnes CO <sub>2</sub> -e (公噸二氧化碳當量)		
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 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 <sup>2</sup> ): 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):	2850995		
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):			
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):			
N/A			
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): Shanghai - Plaza 66, Grand			
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: 21.8 %			
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:		
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):			
1. GHG emissions arising from our building operation in Scope 1 and Scope 2 are included. 2. Properties under construction and properties which have been operated for shorter than two years are excluded. 3. Energy consumed (e.g. electricity, towgas) by tenants within their own rented space is excluded.			
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	Upgraded and replaced aged/ deteriorated building services systems, including air conditioning (e.g. chiller plants, air-handling units), lighting, lifts, escalators and plumbing systems.	
2	Implemented sustainable building services operation, including enhancement/ standardization of the maintenance services for building services system, annual technical audit on various systems, and optimization of plant operation for energy conservation.	
3	Implemented sustainable building design and construction, including building services system according to the requirements of LEED Gold level issued by USGBC, BEAM Plus issued by HKGBC and Assessment Standard for Green Building issued by MOHURD.	
4	Installed solar panels to generate electricity for the consumption by our building operation.	
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	Continue to upgrade and replace aged/ deteriorated building services systems, including air conditioning (e.g. chiller plants, air-handling units), lightings, lifts, escalators and plumbing systems.	Reduce electricity intensity by 12% across the entire property portfolio by 2020 compared to the 2015 baseline.
2	Continue to implement sustainable building services operation, including enhancement/ standardization of the maintenance services for building services system, annual technical audit on various systems, and optimization of plant operation for energy conservation.	Reduce electricity intensity by 12% across the entire property portfolio by 2020 compared to the 2015 baseline.
3	Continue to adopt sustainable building design and construction, including building services system according to the requirements of LEED Gold level issued by USGBC, BEAM Plus issued by HKGBC and Assessment Standard for Green Building issued by MOHURD.	Reduce electricity intensity by 12% across the entire property portfolio by 2020 compared to the 2015 baseline.
Part 4 Verification information 第四部分 核證		
Has verification <a href="#">note 2</a> been conducted? 是否曾經進行核證? <a href="#">備註 2</a>	<input 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:	ISPL Consulting Limited	
Verification standard: 核證標準:	<input checked="" type="checkbox"/> International Organization for Standardization (ISO) 14064-3:2006 - Greenhouse gases - Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions <input type="checkbox"/> 國際標準化組織 (ISO) 14064-3:2006 - 溫室氣體 - 第3部分: 溫室氣體確定的證實和驗證的規範與指南	
Date of verification: 核證日期:	2018-03-20	
Remarks (e.g. various verification status for different subsidiaries): 備註(例如: 各附屬公司的核證情況):		