



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: Standard Chartered PLC
中文: 渣打集團有限公司

Stock code:
股份代號:

02888

Hang Seng Industry Classification 恆生行業分類 (HSIC) (Please see [Appendix](#)/ 請參考[附件](#)):

(i) **Industry:** (e.g. Services – 30) Financials - 50 (ii) **Sector:** (e.g. Transportation – 304) Banks - 501
行業: (例如: 服務業 – 30) 業務類別: (例如: 運輸 – 304)

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):

2013 Standard Chartered Bank Annual and Sustainability Report (Tentative in end of Mar 2014)
[2012 Sustainability Report](#)

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 (yyyy/m/d): 報告期(年/月/日):		2012/10/1 to/至 2013/9/30	
Operational boundary 營運邊界 ¹ :	Brief description on emission sources 排放來源簡述	Emission data 排放數據	
Scope 1 範圍 1:	Combustion of fuels	23,878	tonnes CO ₂ -e 公噸二氧化碳當量
Scope 2 範圍 2:	Purchased electricity	226,727	tonnes CO ₂ -e 公噸二氧化碳當量
Scope 3 範圍 3:	Air travel	42,821	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:		293,426 tonnes CO₂-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:	<u>86,640</u>
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):	<u>1,354,541</u>
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):	<u>HK\$150,335m</u>
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.): _____ (please specify) 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): _____ (請說明)	<u>86,640 Full Time Employees</u>

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)) <u>74 Countries across the globe</u> 香港以外的營運 (請說明城市/國家名稱): _____ Please also specify the percentage of GHG emissions arising from Hong Kong operations: <u>6.7%</u> 請同時說明由香港營運所產生的溫室氣體百分比:	
<input 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: _____ _____ _____
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): • <u>See Criteria Document attached.</u>	

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.	Invested over HK\$7.8 million in energy conservation measures such as LED lighting in our new Hong Kong office and inverter air conditioning systems in our branches in Malaysia. We continue to install solar power arrays. In 2013, we increased the installations across our footprint to a total of six of our properties.
2.	Continued to focus on the efficiency of our data centres and have achieved energy savings equivalent to HK\$780,000 at our facilities in New York and Hong Kong through server virtualisation and optimisation measures such as cold aisle containment to cool high density server installations. 20 per cent of our servers are virtualised as of the end of 2013.
3.	Established a power purchase agreement at SCOPE, our global shared service centre, in Chennai, India which allowed us to reduce our dependency on diesel generators by 76 per cent and achieve an annual savings in diesel costs equivalent to HK\$2,995,000.

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 transition towards the use of LED lighting in our owned properties with a target of 5 per cent of all light fittings using LEDs by the end of 2014.	To be advised.
2.	Optimise our data centres with a target to virtualise 40 per cent of our servers.	To be advised.
3.	Embed energy efficiency requirements in the contracts with our property service partners.	To be advised.

*Please use separate sheet(s) where the space provided in the form is not sufficient 如表格內提供的空位不足夠, 請另加紙張填寫

Part 4 Verification
第四部分 核證

4.1 Verification information 核證資料

Has verification² been conducted? 是否曾經進行核證？	<input checked="" type="checkbox"/> Yes – please fill in the blanks below 是 – 請填寫以下空格 <input type="checkbox"/> No 否	
Verification body 核證機構:	<u>PricewaterhouseCoopers</u>	
Verification standard: 核證標準:	<input 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 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 <input checked="" type="checkbox"/> Others, please specify: 其他 (請說明): ISAE 3410	
Date of verification (yyyy/m/d): 核證日期 (年/月/日):	Ongoing Assurance, end Feb 2014	
Remarks (e.g. various verification status for different subsidiaries): 備註(例如: 各附屬公司的核證情況):	PwC has been appointed as an independent third-party assurance provider. They has assured Scope 1 and Scope 2 GHG emissions calculated using data collected from properties over 10,000 square feet, classified as “GEMS”. The assured GEMS emissions are used to extrapolate a scaled up total, representing the Group. This reporting process is explained within the Standard Chartered Carbon Emission Criteria 2013.	

¹ GHG emissions (direct and indirect) and removals in relation to the buildings can be broadly classified into three separate scopes as below –

- Scope 1 – direct emissions and removals;
- Scope 2 – energy indirect emissions; and
- Scope 3 – other indirect emissions.

The definitions of Scopes 1, 2 and 3 emissions can be found in the “Guidelines to Account for and Report on Greenhouse Gas Emissions and Removals for Buildings (Commercial, Residential or Institutional Purposes) in Hong Kong (2010 Edition)”

與建築物有關的溫室氣體排放（直接或間接）及減除，可概括分為以下三個不同的範圍 –

- 範圍 1 --直接溫室氣體排放及減除;
- 範圍 2 --使用能源間接引致的溫室氣體排放；以及
- 範圍 3 -- 其他間接溫室氣體排放。

有關溫室氣體排放範圍 1、2及3的定義，可參照《香港建築物（商業、住宅或公共用途）的溫室氣體排放及減除的核算和報告指引》（2010年版）

² The reporting entity is encouraged to carry out verification of the GHG emissions by an independent verifier. Independent verification of GHG emissions can facilitate the management to have better understanding of the carbon footprint of the company’s operation and identify areas for improvement, provide credibility and quality assurance on the disclosure of carbon footprint, and enhance the corporate image in respect of transparency and accountability. In December 2012, the Hong Kong Accreditation Service (HKAS) introduced accreditation service for ISO 14064 GHG validation and verification for validation/verification bodies’ voluntary application. Accredited validation/verification bodies’ technical competence is rigorously assessed by HKAS, so that the reliability of their results can be assured. Relevant HKAS-accredited validation/verification bodies, once available, will be announced at HKAS’s website at:

<http://www.itc.gov.hk/en/quality/hkas/hkcas/about.htm>.

我們鼓勵報告機構聘請獨立核證人核證溫室氣體排放，溫室氣體排放的獨立核證能促使管理層對公司營運引致的碳足跡有更好的了解，並找出可作改善的地方；此舉亦為所披露的碳足跡資料提供可信性和質量保證，在透明度和問責層面提升企業形象。2012年12月香港認可處就 ISO 14064 審定和核查查推出認可服務，供審定/核查查機構自願申請。獲認可審定/核查查機構的技術能力由香港認可處進行嚴格評審，因此能確保其審定/核查查結果更為可靠。當有獲香港認可處認可的相關審定/核查查機構，將在香港認可處網站公布：<http://www.itc.gov.hk/tc/quality/hkas/hkcas/about.htm>。