Carbon Footprint Verification

Carbon Footprint Verification Report for

Volex Plc

22 June 2022

Carbon Footprint Ltd, Belvedere House, Basing View, Basingstoke, Hampshire, RG21 4HG, UK
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Verification summary

Verifiers:	Rebecca Pattison, Senior Environmental Consultant, Carbon Footprint Ltd
Report reviewed by:	Jenny Webb, Senior Environmental Consultant, Carbon Footprint Ltd
Authorised by:	Dr Wendy Buckley, Client Director, Carbon Footprint Ltd
Inventory period verified:	1st April 2021 to 31st March 2022
Level of assurance:	Limited
Assurance being given to:	Alan Taylor, Group HR Director Unit C1 Antura, Bond Close, Basingstoke, Hampshire, United Kingdom, RG24 8PZ
Verification Standard:	ISO 14064-3: 2019
Methodology used for the calculation:	GHG Protocol

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Statement of verification

Volex Plc, Unit C1 Antura, Bond Close, Basingstoke, Hampshire, United Kingdom, RG24 8PZ

22 June 2022

Scope

Volex Plc (henceforth referred to as Volex engaged Carbon Footprint Ltd to verify Volex's carbon footprint assessment and supporting evidence for the period 1st April 2021 to 31st March 2022. Volex is responsible for the information within the carbon footprint report. The responsibility of Carbon Footprint Ltd is to provide a conclusion as to whether the statements made are in accordance with the GHG Protocol.

Methodology

The verification was led by Rebecca Pattison, Senior Environmental Consultant, Carbon Footprint Ltd. Carbon Footprint Ltd completed the review in accordance with the 'ISO 14064 Part 3 (2019): *Greenhouse Gases: Specification with guidance for the verification and validation of greenhouse gas statements'*. The work was undertaken to provide a Limited level of assurance with respect to the GHG statements made. Carbon Footprint Ltd believes that the review of the assessment and associated evidence, coupled with this subsequent report, provides a reasonable and fair basis for our conclusion.

The following data was within the scope of the verification (below shows the post-audit results):

- **Scope 1:** Site Diesel, Refrigerants, Site Natural Gas, Company Vehicle Fuel Use (including LPG), Company Owned Car Travel, Company owned van/lorry Travel. – **1003 tCO_2e**
- **Scope 2:** Grid Electricity Non-Renewable, Grid Electricity Renewable, District Heating. – **18,754 tCO_2e** (location-based)
- **Scope 3:** Company Hire Car travel, Grey Fleet Car Travel, Grid Electricity Non-Renewable (T&D), District Heating T&D. – 1685 tCO_2e

Totals: 21,442 tCO_2e (location-based)

Assurance opinion

Based on the results of our verification process, Carbon Footprint Ltd provides limited assurance of the GHG emissions statement, **and found no evidence that the GHG emissions statement:**

- is not materially correct and is not a fair representation of the GHG emissions data and information;
- has not been prepared in accordance with the GHG Protocol.

It is our opinion that Volex has established appropriate systems for the collection, aggregation and analysis of quantitative data for determination of GHG emissions for the stated period and boundaries.

Rebecca Pattison, *BSc (hons)*
Senior Environmental Consultant

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1 Introduction

Volex Plc employees 7,873 people and operates 24 manufacturing sites and offices across the world. They are the leading integrated manufacturing specialist for performance-critical applications and power products.

This report provides the outcomes of the independent verification of Volex's Greenhouse Gas (GHG) statement for the period 1st April 2021 to 31st March 2022.

The verification was based on an assessment of Volex's 2021 carbon footprint report/calculations (version received on 25 April 2022), supplemented with a Remote Audit and review of supporting evidence. A verification plan (Appendix 1) was devised at the preliminary stages of the assessment to guide the verification process. The sampling plan in Appendix 2 lists the documents submitted for verification (this does not include any additional documents viewed during the Remote Audit).

The verification was undertaken in line with the International Standard ISO 14064-3: 2019 *'Greenhouse gases: Specification with guidance for the verification and validation of greenhouse gas statements'* to a limited assurance level.

1.1 Objectives

The objectives are:

- To provide assurance to Volex, to ISO 14064-3 standard, that the GHG statement is reliable and of sufficient quality for external annual reporting and Streamlined Energy and Carbon Reporting (SECR) compliance.
- Confirmation of Volex's methodology.
- To provide guidance and advice on improvements

1.2 Scope

The GHG statement that is being verified is Volex's Global carbon footprint for the period 1st April 2021 to 31st March 2022. The following sources of GHG emissions are within the scope of the verification:

- **Scope 1:** Site Diesel, Refrigerants, Site Natural Gas, Company Vehicle Fuel Use (including LPG), Company Owned Car Travel, Company Owned Lorry/Van travel.
- **Scope 2:** Grid Electricity Non-Renewable, Grid Electricity Renewable & District Heating.
- **Scope 3:** Company Hire Car travel, Grid Electricity Non-Renewable (T&D) & District Heating T&D Grey Fleet Car Travel.

The GHG emissions have been consolidated through the financial control approach and are reported in terms of carbon dioxide equivalent (CO_2e).

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1.3 Materiality

A qualitative and quantitative evaluation of any errors, limitations or misrepresentations has been undertaken. The verification team, using professional judgment, determined whether any qualitative discrepancies could affect the overall GHG statement and, in turn, have a material impact on the decisions of the intended user.

Quantitative discrepancies were calculated individually to understand the impact of them as a percentage of the GHG statement. The pre-defined materiality threshold is 5% of the total inventory.

1.4 Responsibility

Volex is responsible for the provision of the GHG statement and the supporting information. Carbon Footprint Ltd was contracted to provide a third-party verification of this statement, to a Limited level of assurance. Appendix 3 provides a profile of the verification team.

1.5 The work undertaken

The verification undertaken by Carbon Footprint Ltd was conducted in accordance with ISO 14064-3 (2019): Greenhouse gases- part 3: '*Greenhouse Gases: Specification with guidance for the verification and validation of greenhouse gas statements*. This was to a limited level of assurance, as defined by the ISO 14064-3 standard. A verification plan (including sampling) was devised at the preliminary stages of the assessment to guide the verification process (see appendices).

In conformance with the ISO 14064-3 standard, the following activities were undertaken:

- Initial review of the GHG documentation and methodologies, including historical GHG data for the period 1st April 2021 to 31st March 2022.
- Remote Audit, involving discussions with staff from Volex regarding:
  - Scope of calculation (including appraisal boundaries).
  - Input data sets, any missing data, estimations made and assumptions.
  - Calculation methodology and conversion factors used.
  - Quality control procedures.
  - Results & interpretation.

1.6 Independence

The verifier has remained independent from activity taken to calculate the GHG statement. The verifier has maintained objectivity during the audit, basing conclusions on evidence obtained during the audit.

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1.7 Abbreviations

AIB	Association of Issuing Bodies
CDP	Carbon Disclosure Project
CSR	Corporate Social Responsibility
Defra	Department for Environment, Food & Rural Affairs
FTE	Full-time equivalent
GHG	Greenhouse Gas
ISO	International Organisation for Standardisation
km	Kilometres
kWh	Kilowatt Hours
SECR	Streamlined Energy and Carbon Reporting
tCO_2e	Tonnes of Carbon Dioxide Equivalent

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2 Verification results

2.1 Assessment of the GHG information system and its controls

2.1.1 Boundary and data selection

Organisational boundary

The full global operations have been included within this assessment. In previous years the emissions were calculated by Carbon Footprint Ltd, this is the first verification audit.

Homeworker emissions have been excluded from the scope, they amount to 1% of the total emissions and so is not material to the overall results.

Other business travel (rail, flights, taxi etc), freight, waste and water have also not been included as accurate data was not available.

The GHG emissions have been consolidated through the financial control approach and are reported in terms of carbon dioxide equivalent (CO_2e).

Reporting boundary

The financial boundary was reviewed and has been determined that all material emission sources have been captured within the assessment boundary. This is summarised below.

Scope 1:	Site Diesel, Refrigerants, Site Natural Gas, Company Vehicle Fuel Use (including LPG), Company Owned Car Travel, Company Owned Lorry/Van Travel.
Scope 2:	Grid Electricity Non-Renewable, Grid Electricity Renewable, District Heating.
Scope 3:	Company Hire Car travel, Grey Fleet Car Travel, Grid Electricity Non-Renewable (T&D), District Heating T&D
Exclusions:	Home worker emissions, Waste, Water, Business travel (rail, flights, taxi), Freight.

We recommend to review recording practices for other business travel, homeworker and freight emissions with a view to including these activities in future assessments. Waste and Water are already tracked by the platform with a view to include in future assessments. There was not yet sufficient data to include in this year's assessment.

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2.1.2 Data management

This is the first year Volex are calculating their own emissions using a software platform named UL360. The platform went live in October 2021 and data is input monthly with some back dated bulk uploading for data previous to this date.

Alan Taylor and Steven Sun have overall responsibility for the collation of the data. There are also representatives at each site with site level logins to submit their own data. Training on use of the platform has been given in house by Alan and Steven. A monthly email notification is sent out to each site representative as a reminder to upload their data.

The system will flag up to the user if the input data is out of the pre-set parameters which were set by Alan and Steven. Also, Steven and Alan review the data as the first quality check. Steven approves Asia sites data. Alan approves EU sites and Emily Rice is responsible for the Americas.

2.1.3 Data limitations

Many sites didn't track or report waste and water and so there is only partial data available with a view to including this in future assessments when data has been tracked.

Primary data upload is available on the platform and has been widely utilised but it was not a mandatory requirement for data entry and so this is not a complete set this year. This is to be made mandatory going forward.

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2.2 Assessment of GHG data and information

2.2.1 Electricity consumption

Electricity consumption accounts for 87% of Volex's total GHG emissions. The top 3 energy consuming sites were audited in more detail.

Electricity consumption is split into 2 categories Grid Electricity Non-Renewable and Grid Electricity Renewable. A green tariff certificate was provided as evidence of the renewable energy supplied and confirmed to be correct. All other sites are on a standard tariff.

Zhongshan (F) was the highest energy consuming site. 12 months of kwh logs were provided which broke down production, dormitory and canteen usage in kWh. These were double checked and found to be correct. The emissions are calculated using International Energy Agency (IEA) 2020 v1.1 factor and recalculated manually using our in-house factors and were found to be in the same region and therefore correct.

11 months of utility bills were provided for the Cayirova (F) site, these were cross checked with the data entered into the tool and also found to be correct. Again, the IEA factor was used and recalculated using our in-house emission factors and also found to be in the same region and therefore correct.

Henggang (F) also provided 12 months of utility bills for review and was again cross checked and found to be correct. Again, the IEA factor was used and recalculated using our in-house emission factors and also found to be in the same region and therefore correct.

Site addresses clarified for Basingstoke and Cayirova however no site address on kWh logs for Zhongshan. Henggang address was not interpretable as a photo.

See data check in section 2.4.

2.2.2 Natural Gas Consumption

Gas consumption accounts for 2% of Volex's total GHG emissions. Data from utility bills is entered into the platform by the site representative.

The last 2 months of data were missing for Spokane and Komarno but these were updated throughout the audit.

The emission factor used is from Department for Business, Energy & Industrial Strategy (BEIS) – 2021 and seen to be correct.

See data check in section 2.4.

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2.2.3 Refrigerant Loss

The top up method was used and kg of refrigerant gas uploaded to the platform.

Batam maintenance sheet was provided as evidence and checked against the information entered into the UL platform. The totals differed and this was reviewed throughout the audit.

The emissions factor used was correct and taken from the Department for Business, Energy & Industrial Strategy (BEIS) – 2021.

See data check in section 2.4.

2.2.4 Site Diesel

It was noted that site diesel was missing a number of months data throughout the audit which was corrected throughout the audit.

Batam had 2 months abnormally high diesel use identified and found to be due to use of a backup generator and correct.

Site diesel is under 0.4% of the total emissions and so not audited in any further detail as not material to the overall results.

See data check in section 2.4

2.2.5 Company Hire Car Travel

Sampling data was requested for company Hired Car data. However this was unavailable due to not mandating the requirement to include primary evidence when entering data this year. Therefore I was unable to review against any invoices/fuel receipts etc.

This activity forms only 3% of total emissions and so is not material however it is recommended going forwards to upload the primary evidence into the platform at time of data entry in order to check the units that have been used.

See data check in section 2.4.

NB.
Non-Renewable Grid Electricity and District Heating T&D, Company Van/Lorry Travel, Company Owned Car Travel, Grey Fleet Car travel and District Heating were not audited during the verification process this year due to being immaterial to the results.

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2.3 Data Checks

Table 1: Data Check

Emissions Source	Site	Document(s)	Tab/ Sheet	Cell Range	Issue	Recommendation	Comment/action by Volex	Status
Electricity	Juarez	Electricity Consumption per location 1	Sheet 1	B13:H13	Missing 5 months of Data not obtainable	Extrapolate to estimate missing months	Actual data submitted and loaded	Closed
Electricity	Komarno	Electricity Consumption per location 1	Sheet 1	J14:K14	Missing 2 months of data	Obtain last 2 months bills or extrapolate	Actual data loaded and submitted	Closed
Electricity	Spokane	Electricity Consumption per location 1	Sheet 1	J20:K20	Missing 2 months of data	Obtain last 2 months bills or extrapolate	Extrapolated based on P1-10 averages	Closed
Electricity and Natural Gas	Cayirova and Manisa Turkey	Missing utility bills	UL System		Missing Elec and Gas utility bills primary data	Obtain the primary evidence and upload to the UL platform	All loaded into shared folder	Closed

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Emissions Source	Site	Document(s)	Tab/ Sheet	Cell Range	Issue	Recommendation	Comment/action by Volex	Status
All	All Sites	UL360 Platform			It is unclear whether entries are complete or missing for each site as different sites upload in different timeframes.	Set up a rule going forward to enter into each month entry with a figure or a zero to show that it has been accounted for and all missing entries will then therefore be blank.	Steven and I will review rules and guidance to all sites	Closed
Diesel	Batam	Gas, Diesel, Disrict Heating Consumption per factory	Sheet 1	G8 and M8	Diesel use is higher than normal for 2 months of the year	Investigate the reason for this.	Reason explained to be use of backup generator as cut off from grid by	Closed

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Emissions Source	Site	Document(s)	Tab/ Sheet	Cell Range	Issue	Recommendation	Comment/action by Volex	Status
							government over those 2 months.	
Electricity	Renewable energy	UL Platform			Missing any certification to prove renewable tariff status	Obtain evidence of renewable tariff or class as non-renewable.	Evidence of Basingstoke tariff submitted.	Closed
Diesel	Komarno	Gas, Diesel, Disrict Heating Consumption per factory	Sheet 1	L13 and M13	Missing last 2 months of data	Obtain data or extrapolate.	Actual data loaded and submitted	Closed
Diesel	Henggang	Gas, Diesel, Disrict Heating Consumption per factory	Sheet 1	K6:M6	No clarification whether data was missing and yet to be added to the system, or was not relevant to the particular site.	Clarify and update if missing or extrapolate.	Available data loaded and confirmed by Steven	Closed
Natural Gas	Komarno	Gas, Diesel, Disrict Heating Consumption per factory	Sheet 1	L51 and M51	Missing last 2 months of data	Obtain data or extrapolate.	Actual data loaded and submitted	Closed

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Emissions Source	Site	Document(s)	Tab/ Sheet	Cell Range	Issue	Recommendation	Comment/action by Volex	Status
Natural Gas	Spokane	Gas, Diesel, Disrict Heating Consumption per factory	Sheet 1	L57 and M57	Missing last 2 months of data	Obtain data or extrapolate.	No data available and base for extrapolation unclear given trend data	Closed

2.4 Data calculations

Volex has calculated its GHG inventory by using the UL360 software platform. Emission factors from 3 sources were used:

- Department for Business, Energy & Industrial Strategy (BEIS) – 2021
- International Energy Agency (IEA) 2020 v1.1
- US Environmental Protection Agency eGRID (Sub Region & US Average) - 2019 (Released Feb 2021) v1.2

The emission factors used for the calculations have been verified as correct and appropriate for the data. During the audit, spot checks were carried out on calculations in the calculation spreadsheet, and were found to be correct (Table 2).

Table 2: Calculation check

Site	Document(s)	Tab	Cell	Issue	Recommendation	Comment/action by Volex	Status
Batam	Record of freon consumption -Batam pdf	n/a	n/a	Total of refrigerant gas top up from maintenance sheet (R22 = 41.8kg, 5kg R410a) differs to what is entered onto the UL platform (29kg =R22, none for R410a entered onto the UL)	Double check and update accordingly.	Updated and corrected.	Closed
All	Emission Profile	various	various	The emission factors used for natural gas, electricity generation for China, Electricity	n/a	n/a	Closed

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Site	Document(s)	Tab	Cell	Issue	Recommendation	Comment/action by Volex	Status
				Generation for Turkey, R22 and district heating were checked and verified to be correct.			
Zhongshan	UL platform downloads and utility bills	various	various	Recalculated the total electricity consumption from primary evidence and tonnes CO_2e using the correct emission factor and found to correlate.	n/a	n/a	Closed
Cayirova	UL platform downloads and utility bills	various	various	Recalculated the total electricity consumption from primary evidence and tonnes CO_2e using the correct emission factor and found to correlate.	n/a	n/a	Closed
Henggang	UL platform downloads and utility bills	various	various	Recalculated the total electricity consumption from primary evidence and tonnes CO_2e using the correct emission factor and found to correlate.	n/a	n/a	Closed

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3 Conformance with verification criteria

The chosen methodology that has been used for accounting and reporting Volex's GHG inventory is the GHG Protocol Corporate Standard. Carbon Footprint Ltd has examined Volex's GHG statement in relation to the GHG Protocol accounting and reporting principles. The verification activities have shown that Volex has met the verification criteria satisfactorily.

Relevance – the data collected and reported reflects the significant environmental impacts of Volex's operations.

Completeness – emission sources that come within the reporting boundary have been quantified and reported where possible. Exclusions (if applicable) have been disclosed and justified.

Consistency – methodologies are documented and appear to be consistent.

Transparency – the carbon footprint report states the company's approach to data collection and the estimations that were made.

Accuracy – sufficient accuracy has been achieved. Actions to improve data accuracy and reduce uncertainty have been identified.

4 Conclusions

Volex's boundaries and system has satisfactorily captured the most significant and relevant emission sources.

A number of errors were identified during the audit, however all major errors and the majority of minor errors were investigated and corrected during the course of the audit.

Primary data upload is available on the platform and has been widely utilised but it was not a mandatory requirement for data entry and so this is not a complete set this year. It is recommended to increase accuracy that this is made mandatory going forward.

Overall, the calculations were correct, and the estimation methodologies were acceptable.

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4.1 Recommendations

Below are several recommendations to assist Volex in improving the quality of its GHG statement:

- Primary data upload is available on the platform and has been widely utilised but it was not a mandatory requirement for data entry and so this is not a complete set this year. We recommend to increase accuracy that this is made mandatory going forward.
- Increase the scope of the calculation to include currently excluded activities: Home worker emissions, Waste, Water, Business travel (rail, flights, taxi), Freight.
- It is unclear whether entries are complete or missing for each site as different sites upload in different timeframes. Set up a rule going forward to enter into each month entry with a figure or a zero to show that it has been accounted for and all missing entries will then therefore be blank.

4.2 Assurance opinion

Based on the results of our verification process, Carbon Footprint Ltd provides limited assurance of the GHG emissions statement, **and found no evidence that the GHG emissions statement:**

- is not materially correct and is not a fair representation of the GHG emissions data and information;
- has not been prepared in accordance with the GHG Protocol.

It is Carbon Footprint Ltd's opinion that Volex has established appropriate systems for the collection, aggregation and analysis of quantitative data for determination of GHG emissions for the stated period and boundaries.

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Appendix 1

Volex Verification Plan – Carbon Footprint 2017 (01 April 2021 - 31 March 2022)

22/06/2022
Venue:

Present:
Rebecca Pattison, Carbon Footprint Ltd (Verifier)
Alan Taylor, Volex

Table 3:

ISO 14064-3 Ref.		ISO 14064-3 Requirements	Evidence	Comments
5.1.3.	Level of Assurance	To be agreed at the beginning	Anecdotal/email communication	Limited level of assurance
5.1.4	Objectives	To be agreed at the beginning	Anecdotal Proposal Verification report	SECR and annual reporting compliance And guidance and advice on improvements. Confirmation of methodology
5.1.5	Criteria	To be agreed at the beginning	Anecdotal	DEFRA factors

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ISO 14064-3 Ref.		ISO 14064-3 Requirements	Evidence	Comments
5.1.6	Scope	Organisational boundaries, physical infrastructure & activities, GHG sources, type of GHGs, time period	Anecdotal UL 360 platform Proposal	Scope 1, 2 & 3 - 1st April 2021 to 31st March 2022 Financial control Scope 1- site diesel, LPG, Refrigerants, Site Gas, Company vehicle use, company owned car, van/lorry travel emissions. Scope 2 - Grid Electricity non-renewable, Grid Electricity Renewable, District Heating. Scope 3 -Company Hired Car travel, Company Hired Car travel, Grey fleet travel, Grid Electricity non-renewable (T&D), District Heating T &D
5.1.7	Materiality	Establish materiality		Materiality threshold 5%

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ISO 14064-3 Ref.		ISO 14064-3 Requirements	Evidence	Comments
5.4.4	Verification records	The verifier shall maintain records to demonstrate conformity to the requirements of ISO14064-3.	Verification plan. Verification report.	This verification plan is the basis of recording the audit and capturing information.
6.1.3.3	GHG information system & its controls	Processes for collecting, processing and reporting GHG information.	Anecdotal	
6.1.3.4	GHG data & information	Examination of the GHG data and information.		
6.1.5	Verification Plan	Document assurance level, objectives, criteria, scope, materiality & schedule.	This document	This table documents the verification plan.

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ISO 14064-3 Ref.		ISO 14064-3 Requirements	Evidence	Comments
6.1.6	Evidence gathering plan		Sampling Plan	See Appendix 2.
6.3.1	Evaluation of the GHG statement	Evaluate whether the evidence collected supports the GHG statement.	Verification report	Sufficient evidence was provided to support the statement.
6.3.1.4	Assessment against verification criteria	Confirm whether the organisation conforms to the verification criteria.	Verification report	Organisation has met the verification criteria satisfactorily.
6.3.2 & 6.3.3	Conclusion and opinion	A verification statement containing the level of assurance, objectives, scope, criteria, the GHG statement and the	Verification statement	A verification statement will be issued.

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ISO 14064-3 Ref.		ISO 14064-3 Requirements	Evidence	Comments
		verifier's opinion on the GHG statement.		

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Appendix 2 – Sampling Plan

The sampling will be a risk-based approach in order to collect adequate evidence to support the Limited level of asurance. Calculations and results will be reviewed and discussed as a desk-based exercise and during the Remote Audit.

Sites and data sampled were chosen due to materiality to the total carbon footprint, noticeable deviation from the previous year's results, and potential anomalies identified from initial analysis.

Primary data (e.g. utility bills, expense claims, fuel card reports etc.) requested for:

- Sites electricity usage over the full data period:
    - Batam (F)
    - Cayirova (F)
    - Henggang (F)
    - Shenzhen (F)
    - Zhongshan (F)
- Green tarriff certificate for Basingstoke
- Company Hired Car data e.g. invoices/fuel receipts
- Refrigerant loss data e.g. maintence sheet

Secondary data was reviewed for other sites and emission sources.

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Appendix 3

Carbon Footprint Ltd Verification Team

Carbon footprint Ltd has enabled the completion of the carbon footprints of over 20,000 businesses globally via our tools and consultancy. We are confident that we bring independent, ethical conduct, fair representation, due professional care and fresh insights to carbon management and verification activities.

We work with a vast range of companies, from SMEs to multinational blue-chip corporations with goals to comply with legislation, cut the cost of carbon in their business, maximise sales by developing true sustainable credentials and prepare for future legislation.

We are a world leading carbon footprinting company:

- We follow international standards, such as ISO14064-1, PAS2050, GHG Protocol, ISO14064-3 within our work
- We are ISO 14001:2015 and ISO 9001:2015 certified
- We are approved under the Quality Assurance Standard (QAS) – this means that our own carbon footprinting tools and methodology is independently audited by AEA-Ricardo.
- We work with other businesses to complete/validate GHG emissions for their Mandatory GHG Reporting and CDP reporting requirements
- We run the Carbon Academy (for peer group learning)
- We provide input and advice to the government on low carbon legislation

Rebecca Pattison
Senior Environmental Consultant
Rebecca has over fourteen years of experience working in environmental management. She has worked with many organisations to help them calculate and reduce their carbon emissions. She is responsible for legislation and regulatory issues, and has also led the implementation of auditing of environmental management systems (e.g. ISO14001). She is also an ESOS Lead Assessor.

Jenny Webb
Senior Environmental Consultant
Jenny is a senior environmental consultant at Carbon Footprint Ltd and has a Bachelor's degree in Environmental Science. She has completed numerous carbon footprint assessments to ISO14064-1 and the GHG Protocol standard.

Dr. Wendy Buckley
Client Director / Co-Founder Carbon Footprint Ltd
Wendy has a B.Sc. & Ph.D. in Physics and is also a Member of the Chartered Institute of Marketing with MCIM status. She has held various appointments across the globe in both the public and private sector. She has developed extensive knowledge in manufacturing, thermodynamic processes and low energy solutions. Wendy has won a number of business awards and is Chair Person of the Sustainable Business Network in North Hampshire.

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