

## Carbon Footprint report for SEH French Ltd (YE 31/12/2021)

**Client Name:** SEH French Ltd

**Date:** October 2022



**Prepared by:**

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## Company Information

Entity:	
SEH French Ltd 30 White House Rd, Ipswich IP1 5LT	
Company Number:	01621424
Subject:	SEH French Ltd

### Contacts - SEH French Ltd

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### Contacts - Auditel

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## Background Information

This report defines the boundaries and scope of Carbon Emissions associated with SEH French Ltd activities and to present an accurate and detailed inventory of Carbon Emissions within these defined boundaries. It also provides the basis, reasoning and evidence used for the inclusion and exclusion of specific emission sources when appropriate.

Auditel follow the GHG Protocol Corporate Accounting and Reporting Standard methodology. This is summarised below for all scopes and emission types. We have used UK Government GHG Conversion Factors for Company Reporting 2021 (CF) unless otherwise stated.

The carbon footprint is broken down into scopes 1, 2 & 3, as defined by the GHG Protocol Corporate Accounting and Reporting Standard.

**Scope 1** – Direct GHG emissions occur from sources that are owned or controlled by the reporting company, for example emissions from combustion in owned or controlled boilers, vehicles etc.

**Scope 2** – Emissions from the generation of purchased electricity consumed by the company.

**Scope 3** – Other Indirect GHG emissions, these are a consequence of the activities of the company but occur from sources not owned or controlled by the company.

The tables, graphs and diagrams throughout this report, use this colour coding to identify the three different emission scopes.

The emissions of each GHG are calculated separately and then reported in tCO<sub>2</sub>e (tonnes Carbon Dioxide equivalent) on the basis of their global warming potential.

The measurement unit for the activity (such as litres of fuel) is multiplied by the relevant conversion factor (CF) to arrive at the tCO<sub>2</sub>e figure for each emission source.

These definitions are used throughout the report.

This report should be read in conjunction with calculation workbook [SEH French CFR workbook.xlsx](#) and methodology document [SEHF - CFR methodology .docx](#)

Unless otherwise specified, conversion factors are taken from UK Government GHG Conversion Factors for Company Reporting 2021.

SEH French share a head office with Jacksons, who are a separate company within the same group. The floor space occupied by SEH French is 195m<sup>2</sup> out of a total 2,077m<sup>2</sup> equating to 9.4%. it is assumed that SEH French head office account for 9.4% of the scope 1 and scope 2 emissions from this property.

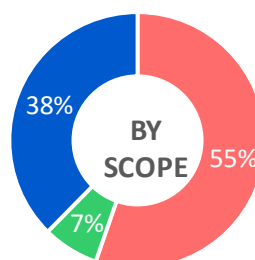
## Emissions Summary

### TOTAL EMISSIONS AND INTENSITY METRICS

286	7.1	18.6
Total tCO <sub>2</sub> e	tCO <sub>2</sub> e Per employee	tCO <sub>2</sub> e Per £m turnover
number of	40	15.37

#### SCOPE tCO<sub>2</sub>e

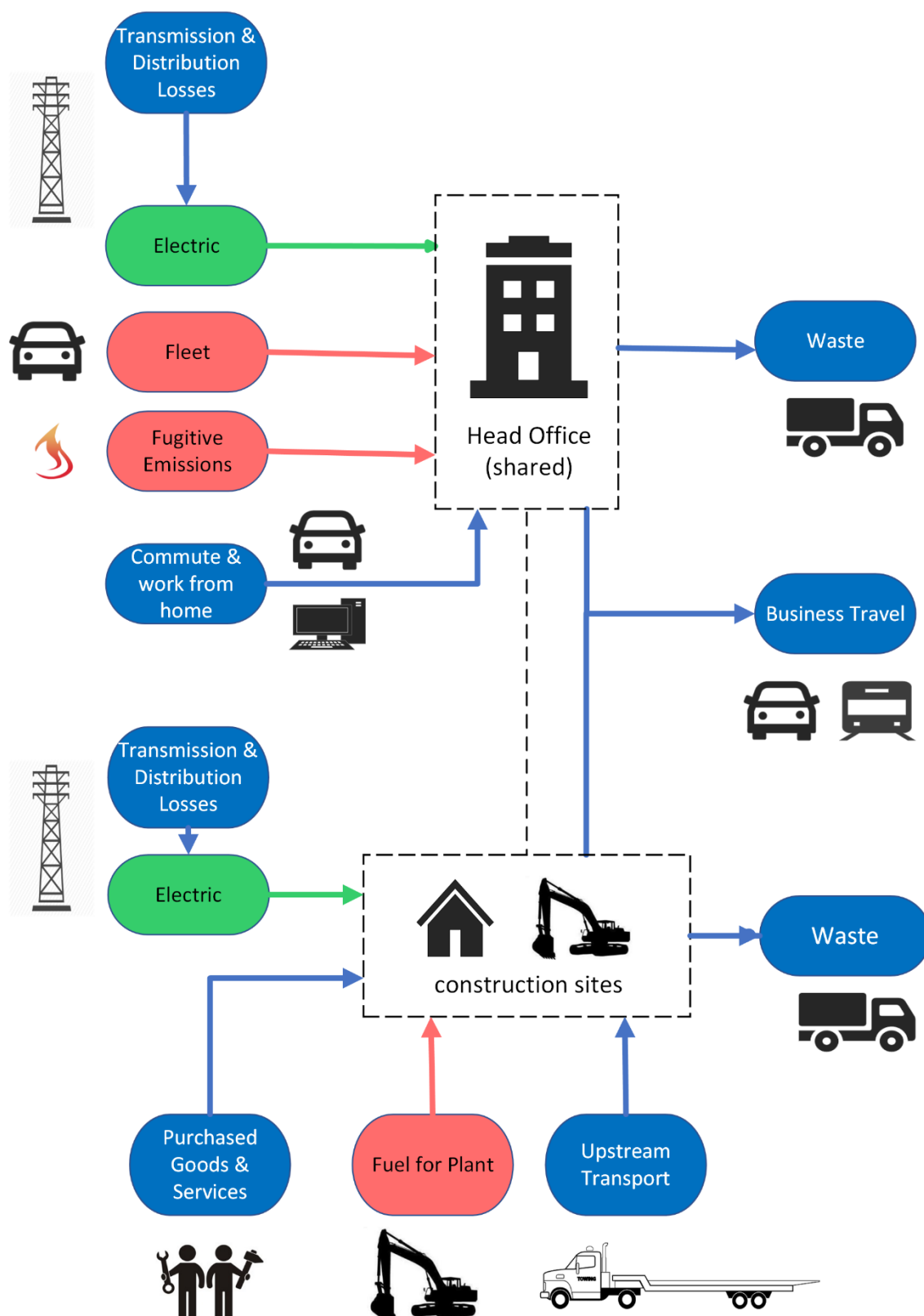
Scope 1	158
Scope 2	20
Scope 3	108



Source	Scope	tCO <sub>2</sub> e	%
Buildings (natural gas)	1	0	0%
Transport Fleet & Plant	1	151	53%
Fugitive Emissions	1	7	2%
Electricity	2	20	7%
Purchased goods & services	3	52	18%
Capital Goods	3	Excluded - insufficient data available	
Fuel & Energy Related Activities	3	2	1%
Upstream transport & distribution	3	2	1%
Waste generated from operations	3	35	12%
Business travel	3	1	0%
Employee commuting	3	16	6%
Upstream Leased Assets	3	Excluded - there are no upstream leased assets	
Downstream transport & distribution	3	Excluded: There are no emissions in this category due to the nature of services provided.	
Processing of sold goods	3	Excluded - do not process any sold products	
Use of sold products	3	The use of buildings after construction is outside the defined boundary and the responsibility of the building owner	
End of life treatment	3	Excluded - The end of life of buildings after construction is outside the defined boundary and is the responsibility of the building owner	
Downstream leased assets	3	Excluded - there are no downstream leased assets	
Franchises	3	Excluded - do not operate franchises	
Investments	3	Excluded - do not control the operation of investments	
		286	100%

## Boundaries

We have mapped the business process and value chain of the entity and subject to this report. This process mapping exercise established emissions sources at the various stages of the value chain.



Entity	SEH French Ltd
Company Number	01621424
Subject	SEH French Ltd
Description of the company	SEH French is a limited company and is part of One Group Construction with shared head offices in Ipswich. We are one of East Anglia's leading construction firms delivering projects across multiple sectors to produce buildings that are fit for a sector-specific purpose delivering to Suffolk, Norfolk, Essex, Cambridgeshire and Bedfordshire. SEH French can be engaged from initial conception, through funding, design, construction, and maintenance post-completion. Our continued growth over 40 years has seen the company rise in stature, wealth of experience, reputation, and project turnover. Our work has ranged from multi-million-pound projects for international business operations to extensive work in the public sector, with healthcare providers and in the industrial sector.
Consolidation approach (equity share, operational control, or financial control)	Operational control approach
Description of the businesses and operations included in the company's organisational boundary	SEH French's emissions from buildings, fleet and construction sites that the business has operational control over. We have included all scope 1 and scope 2 emissions from our construction sites, and a portion of our shared head office based on floor space occupied. We have included scope 3 emissions where data is available and where a repeatable methodology has been established.
Reporting Period	01/01/21 to 31/12/21
List of scope 3 activities included	The main sub-set of Scope 3 areas included in this report are: Category 1 – Purchased goods and services Category 3 - Fuel & energy related activities Category 4 – Upstream transportation and distribution Category 5 – Waste generated Category 6 – Business travel Category 7 - Employee commuting & working from home Category 8 – Upstream leased assets

## Methodology and Data Used

The GHG Protocol Corporate Accounting and Reporting Standard methodology has been followed. This is summarised below for all scopes and emission types. We have used UK Government GHG Conversion Factors for Company Reporting 2021 (CF) unless otherwise stated.

Detailed methodology can be found in report [SEHF - CFR methodology .docx](#)

Scope	Type	Description	Data Requirements
1	Fuel	Company cars & vans	fuel card raw data from supplier giving quantity and fuel type purchased
1	Fuel	Company cars (expense claims)	Vehicle reg number (VRN) and miles claimed for each VRN
1	Fuel	Company cars personal mileage (to be deducted from fuel card use)	Vehicle reg number (VRN) and miles personal miles for each VRN
1	Fuel	Red diesel for use on site - Emmitts plant hire	litres purchased (or copy invoices) for red diesel for use in plant hired from Emmitts
1	Fuel	Petrol for use on site - Emmitts plant hire	litres purchased (or copy invoices) for petrol for use in plant hired from Emmitts
1	Fuel	Red diesel for use on site - fuel cards	fuel card data - raw fuel card data required
1	Fuel	Red diesel for use on site - delivered to bowser	litres purchased (or copy invoices) for red diesel
1	Fuel	Red diesel for use on site - delivered to bowser	litres purchased (or copy invoices) for red diesel
1	F gas	F gas 'top ups' for air-conditioning system (as % of floor space)	F Gas re statement from Air con contractor stating how much, if any, and gas type used for top ups.
2	Electricity (HO)	Head office electricity to be apportioned as per % floor space of overall building	electricity use (kWh) for 2021 for whole building from Jacksons
2	Electricity (sites)	Electricity used at site (office/welfare/drying room).	usage for reporting period where metered supply
2	Electricity company cars	Company cars (expense claims)	Vehicle reg number (VRN) and miles claimed for each VRN
3	1) Purchase of Goods & Services	sub-contractors travel to site (labour only)	calculate number of man days for main sub-contractors who are 'labour only'. Estimate average journey distance for commute/to site
2	2) Capital Goods	Excluded - insufficient data available	
3	3) Fuel- and energy-related activities	Electricity transmission & distribution losses	calculated using scope 2 electricity total kWh



3	4) Upstream distribution and transportation	Delivery of plant to sites	distance from hire company to construction site
3	5) Waste Generated (HO)	head office waste to be apportioned as % of floor space	Weight of waste removed and destination (i.e. landfill/recycling) for 2021 for whole building
3	5) Waste Generated (sites)	general commercial waste from sites (skips)	number, size & weight of skip. Destination of waste by weight - landfill/recycling. Obtain waste data from waste suppliers.
		general commercial waste from sites (skips)	recycled waste
		Water & wastewater	Water invoices for water consumed (m3 used), excluding utility installation charges.
3	6) Business travel	Rail travel	Number of journeys and approx. length of each journey
3	6) Business travel	Grey fleet - use of own car on company business and claimed back through expenses	total miles claimed where employees use own car
3	7) Employee commute & work from home	Staff survey form	Each member of staff was sent a survey to complete which included commute distance & method. This also includes working from home based on Auditel Methodology V2.
3	8) Upstream Leased Assets	Excluded - there are no upstream leased assets	
3	9) Downstream transport & distribution	Excluded: There are no emissions due to the nature of services provided.	
3	10) Processing of sold goods	Excluded - do not process any sold products	
3	11) Use of sold products	The use of buildings constructed is outside the defined boundary and is the responsibility of the organisation, to which SEH French was contracted to project manage the construction	
3	12) End-of-life treatment of sold products	Excluded - The end of life of construction projects is outside the defined boundary and is the responsibility of the organisation, to which SEH French was contracted to project manage the construction	
3	12) Downstream leased assets	Excluded - there are no downstream leased assets	
3	13) Franchises	Excluded - do not operate franchises	
3	14) Investments	Excluded - do not control the operation of investments	

# Carbon Footprint in Detail

All detailed calculations are included in file *SEH French CFR workbook .xlsx*

## Scope 1

Type	Description	qty	units	tCO <sub>2</sub> e
Fuel	Company cars & vans	26,920	litres	67.6
		3,210	litres	7.0
Fuel	Company cars (expense claims)	88,046	miles	19.8
Fuel	Company cars personal mileage (to be deducted from fuel card use)	-2,004	miles	-0.4
Fuel	Red diesel & petrol for use on site - Emmitts plant hire	1,015	litres	2.8
Fuel	Petrol for use on site - Emmitts plant hire	10	litres	0.0
Fuel	Red diesel for use on site - fuel cards	461	litres	1.3
Fuel	Red diesel for use on site - delivered to bowser	15,615	litres	43.1
Fuel	Red diesel for use on site - delivered to bowser	3,631	litres	10.0
F gas	F gas 'top ups' for air-conditioning system (as % of floor space)	3.3	kg	6.9
<b>SCOPE TOTAL</b>				<b>158.1</b>

## Scope 2


Type	Description	qty	units	tCO <sub>2</sub> e
Electricity (HO)	Head office electricity as % floor space of overall building	24,472	kWh	5.2
Electricity (sites)	Electricity used at site (office/welfare/drying room).	65,105	kWh	13.8
Electricity company cars	Company cars (expense claims)	6	kWh	1.2
<b>SCOPE TOTAL</b>				<b>20.2</b>

## Scope 3

Type	Description	qty	units	tCO <sub>2</sub> e
1) Purchase of Goods & Services	sub-contractors travel to site (labour only)	155,197	miles	42.8
3) Fuel- and energy-related activities	Electricity transmission & distribution losses	89,583	kWh	1.7
4) Upstream distribution and transportation	Delivery of plant to sites	1,845	miles	2.3
5) Waste Generated (HO)	head office waste to be apportioned as % of floor space	0.3	tonnes	0.1
5) Waste Generated (sites)	general commercial waste from sites (skips) Landfill	10	tonnes	4.6
	general commercial waste from sites (skips) Recycled	679	tonnes	14.5
	water & waste water	40,266	m3	6.0
	wate water	36,239	m3	9.9
6) Business travel	Rail travel	2,710	miles	0.1
6) Business travel	Grey fleet - use of own car on company business and claimed back through expenses	2,390	miles	0.8
7) Employee commute & work from home	Staff survey form	68,299	miles	16.1
<b>SCOPE TOTAL</b>				<b>107.6</b>

## Carbon Intensity Measurement

For ongoing monitoring, target setting and wider industry benchmarking it is recommended that all Carbon Footprint reports contain agreed intensity measures as well as absolute measures. Following consultation with SEH French the following intensity measures were agreed as useful and meaningful at this time.

METRIC	SYMBOL	VALUE	BASED ON
Per £m revenue	£	18.6 tCO <sub>2</sub> e	Based on £15.37m turnover from 2021 accounts
Per full-time employee		7.1 tCO <sub>2</sub> e	Based on 40 employees for 2021

## GHG Reporting Principles

As with financial accounting and reporting, generally accepted GHG accounting principles are intended to ensure that the reported information represents a faithful, true, and fair account of a company's GHG emissions.

The principles listed below are the basis for a robust Carbon Footprint Report that will stand up to external scrutiny.

**Relevance** – Ensure the Carbon Footprint appropriately reflects the GHG emissions of the company and serves the decision-making needs of users – both internal and external to the company.

**Completeness** - Account for and report on all GHG emission sources and activities within the chosen boundary. Disclose and justify any specific exclusions.

**Consistency** - Use consistent methodologies to allow for meaningful comparisons of emissions over time. Transparently document any changes to the data, inventory boundary, methods, or any other relevant factors in the time series.

**Transparency** - Address all relevant issues in a factual and coherent manner, based on a clear audit trail. Disclose any relevant assumptions and make appropriate references to the accounting and calculation methodologies and data sources used.

**Accuracy** - Ensure that the quantification of GHG emissions is systematically neither over nor under actual emissions, as far as can be judged, and that uncertainties are reduced as far as practicable. Achieve sufficient accuracy to enable users to make decisions with reasonable assurance as to the integrity of the reported information.

## Appendix 1 – Verifiers Statement



### Verifiers Statement

Auditel is a management consultant that is suitably qualified in carbon emissions measurement and verification. The verification is conducted using the accepted methodology, by approved verifiers. Those approved to conduct verifications are recorded by Auditel (UK) Limited. This process is transparent and is guided by the requirements ISO14064 -3: 2019 Specification with guidance for the verification and validation of greenhouse gas statements

Auditel has been appointed to measure and evaluate carbon emissions from **1/1/21 – 31/12/21** and to prepare a Carbon Footprint Report for

SHE French Ltd  
30 Whitehouse Road  
Ipswich  
IP1 5LT

Auditel is also retained to verify the report against the criteria for such words as set out in PAS2060(2014) "Specification for the demonstration of carbon neutrality".

The disclosures made in this report, Carbon Footprint for **SHE French Ltd**, dated October 2022 conform with the requirements of PAS2060:2014 Recommended Carbon Footprint contents, and they should be read with the following comments.

The following Reporting Principles have been met – Transparency, Completeness, Accuracy, Consistency, Relevance.

The verified GHG emissions are	The Unverified Emissions are
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Scope 1 - 151.2 tCO <sub>2</sub> e	Scope 1 – 6.9 tCO <sub>2</sub> e
Scope 2 - 20.2 tCO <sub>2</sub> e	Scope 2 – 0 tCO <sub>2</sub> e
Scope 3 - 64.7 tCO <sub>2</sub> e	Scope 3 – 42.9 tCO <sub>2</sub> e

This statement is issued **11<sup>th</sup> October 2022** and is valid for this report only and does not cover any changes to the reporting or organisation boundary after this date.

The transparent use of an uncertainty grading is used by the report, and this is acceptable. Data included as other than low uncertainty are not verified.

Also, excluded from the verification are any statements that are identified as rough estimates, ***see below if any qualifying statements***

F gas leakage insufficient evidence to quantify.

Sub Contractors travel to site due to estimated and averaged figures.

Head office waste due to assumptions based on floor area.

Signed



Name: Alan Ford  
Report Author - Auditel

Signed



Name: Huw Williams  
Independent Verifier – UK Analytics Ltd



## Appendix 2 – Summary Carbon Footprint Report



THE COST, PROCUREMENT &  
CARBON SOLUTIONS COMPANY

ACFR: 22 / 012

### SEH French Construction Summary Carbon Footprint Report

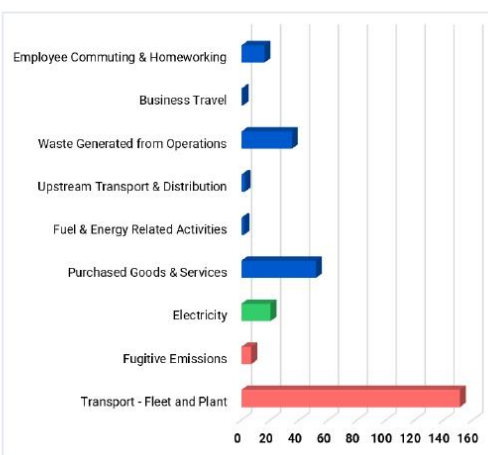
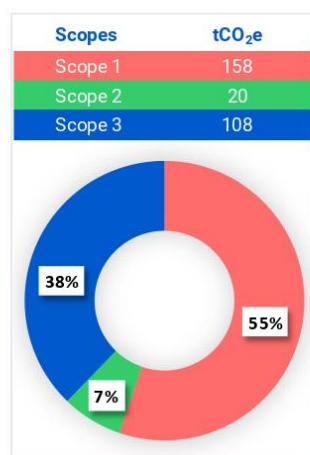


This is a summary of the Carbon Inventory and subsequent Footprint Report produced on behalf of SEH French Construction by Auditel for the reporting period of 01/01/21 - 31/12/21. The inventory work and reporting was carried out in line with the GHG Protocol Corporate Accounting and Reporting Standard and represents a faithful, true, and fair account of SEH French Construction GHG emissions from the data available. The full report should be considered when reading the summary and can be obtained at: [enquiries@sehfrrench.co.uk](mailto:enquiries@sehfrrench.co.uk)

#### TOTAL EMISSIONS AND INTENSITY METRICS

286	18.6	7.1
Total tCO <sub>2</sub> e	tCO <sub>2</sub> e Per 1M Turnover	tCO <sub>2</sub> e Per Employee

#### TOTAL EMISSIONS BY SCOPE



Source	Scope	tCO <sub>2</sub> e
Fugitive Emissions	1	6.9
Transport - Fleet and Plant	1	151.2
Electricity	2	20.2
Purchased Goods & Services	3	51.5
Capital Goods	3	Excluded - insufficient data available
Fuel & Energy Related Activities	3	1.7
Upstream Transport & Distribution	3	2.3
Waste Generated from Operations	3	35.0
Business Travel	3	0.9
Employee Commuting & Homeworking	3	16.1
Upstream Leased Assets	3	Excluded - there are no upstream leased assets
Downstream Transport & Distribution	3	Excluded: There are no emissions in this category due to the nature of services provided.
Processing of Sold Products	3	Excluded - do not process any sold products
Use of Sold Products	3	The use of buildings after construction is outside the defined boundary and the responsibility of the building owner
End of Life Treatment of Sold Products	3	Excluded - End of life of buildings after construction outside the defined boundary. Responsibility of the building owner
Downstream Leased Assets	3	Excluded - there are no downstream leased assets
Franchises	3	Excluded - do not operate franchises
Investments	3	Excluded - do not control the operation of investments
		<b>286</b>

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Auditel's Mission to help organisations become  
Verified Carbon Neutral in a measurable, meaningful way.

