PlanetMark

Business Certification

Bowmer + Kirkland

YEAR 16

01 September 2022 to 31 August 2023

Measure

Engage

Communicate

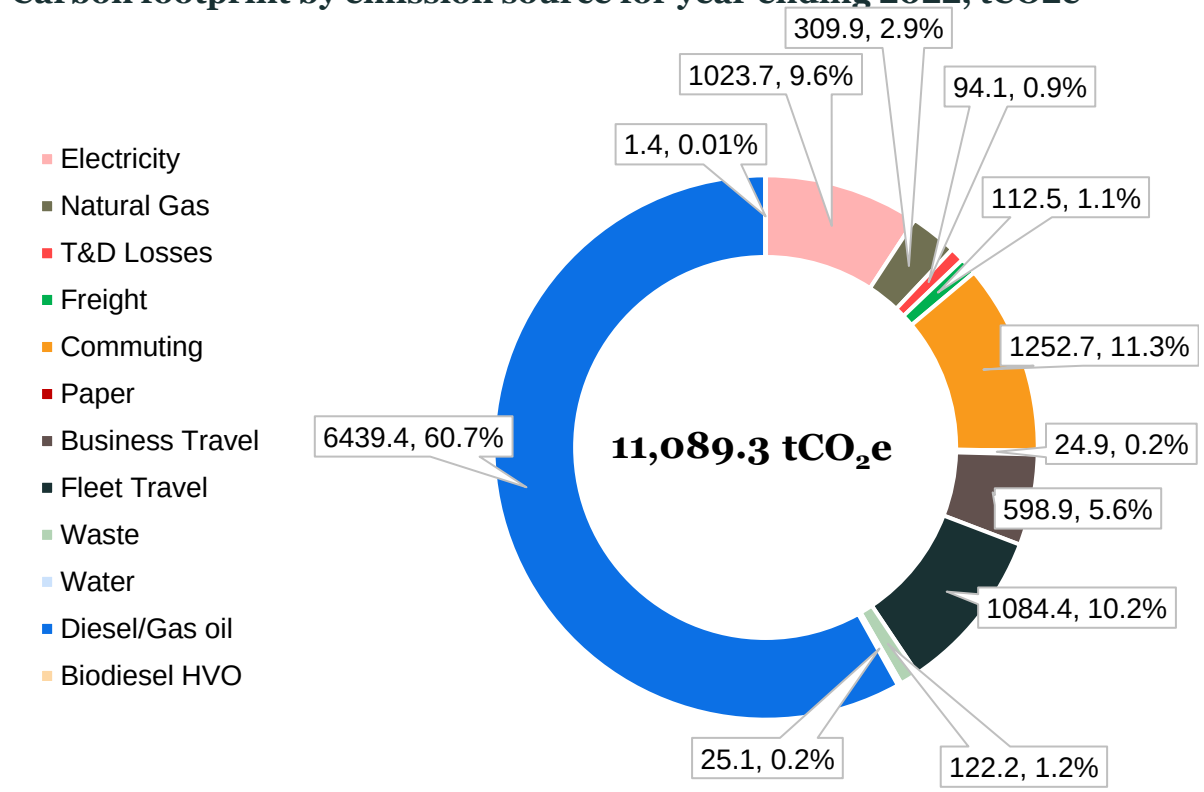
Reporting for construction industry members: Certificate and report for main operations and additional reporting for construction sites.

This report contains two sections – the first showing the carbon footprint of your offices, and the second showing the carbon footprint of your construction sites. Due to the nature of construction sites opening/closing variably over reporting periods, the boundary and emission sources of these sites are constantly changing and thus it is impossible to have a consistent like-for-like comparison for the construction sites. Therefore, the sites are measured and reported on for Bowmer & Kirkland separately and the reductions are tracked through net-zero governance reporting. The yearly 2.5% reduction and subsequent Planet Mark certification are calculated primarily from the main office operations. Each of the specific pages of the report is labelled as either office sites or construction sites, and if unlabeled then the page applies to both office & construction sites.

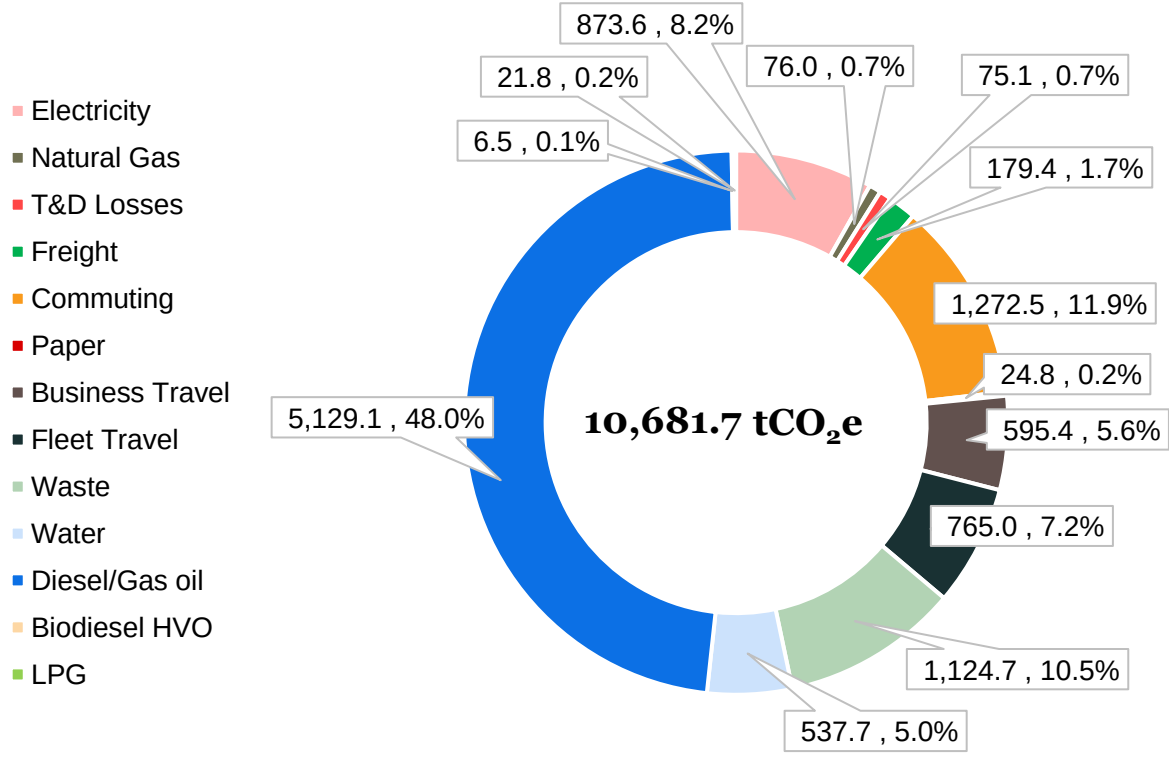
Total carbon footprint Yearly Comparison

Office & Construction Sites

Carbon footprint by emission source for year ending 2022, tCO2e



Carbon footprint by emission source for year ending 2023, tCO2e



Total carbon footprint Yearly Comparison

Office & Construction Sites

YE2022

Source Category	tCO_2e	%
Electricity	1,023.7	9.2%
Natural Gas	309.9	2.8%
T&D Losses	94.1	0.8%
Freight	112.5	1.0%
Commuting	1,252.7	11.3%
Paper	24.9	0.2%
Business Travel	598.9	5.4%
Fleet Travel	1,084.4	9.8%
Waste	122.2	1.1%
Water	25.1	0.2%
Diesel/Gas oil	6,439.4	58.1%
Biodiesel HVO	1.4	0.01%
Total	**11,089.3**	**100%**

YE2023

Source Category	tCO_2e	%
Electricity	873.6	8.2%
Natural Gas	76.0	0.7%
T&D Losses	75.1	0.7%
Freight	179.4	1.7%
Commuting	1,272.5	11.9%
Paper	24.8	0.2%
Business Travel	595.4	5.6%
Fleet Travel	765.0	7.2%
Waste	1,124.7	10.5%
Water	537.7	5.0%
Diesel/Gas oil	5,129.1	48.0%
Biodiesel HVO	6.5	0.1%
LPG	21.7	0.2%
Total	**10,681.7**	**100%**

Measured carbon EMISSIONS

Office Sites

3,141.9
tCO_2e measured emissions

Measured emissions equivalent to
2,778 flights from London to New York

4.0
tCO_2e per employee

Buildings

316.8 tCO_2e

Used enough electricity to power **297** UK homes for one year

Travel

2,632.9 tCO_2e

Travelled **229** times around the world

Waste

0.5 tCO_2e

Produced waste that weighs the same as **2** London buses

Water

1.9 tCO_2e

28 litres per employee per day

Procurement

189.8 tCO_2e

Paper usage and Freight equates to **3,541** trees

Homeworking

5.1 tCO_2e

Used enough energy to power **2** UK homes for one year

Step one.

MEASURE

Measured carbon footprint.

Location BASED

Office Sites

Reporting year:
01 September 2022 to 31 August 2023

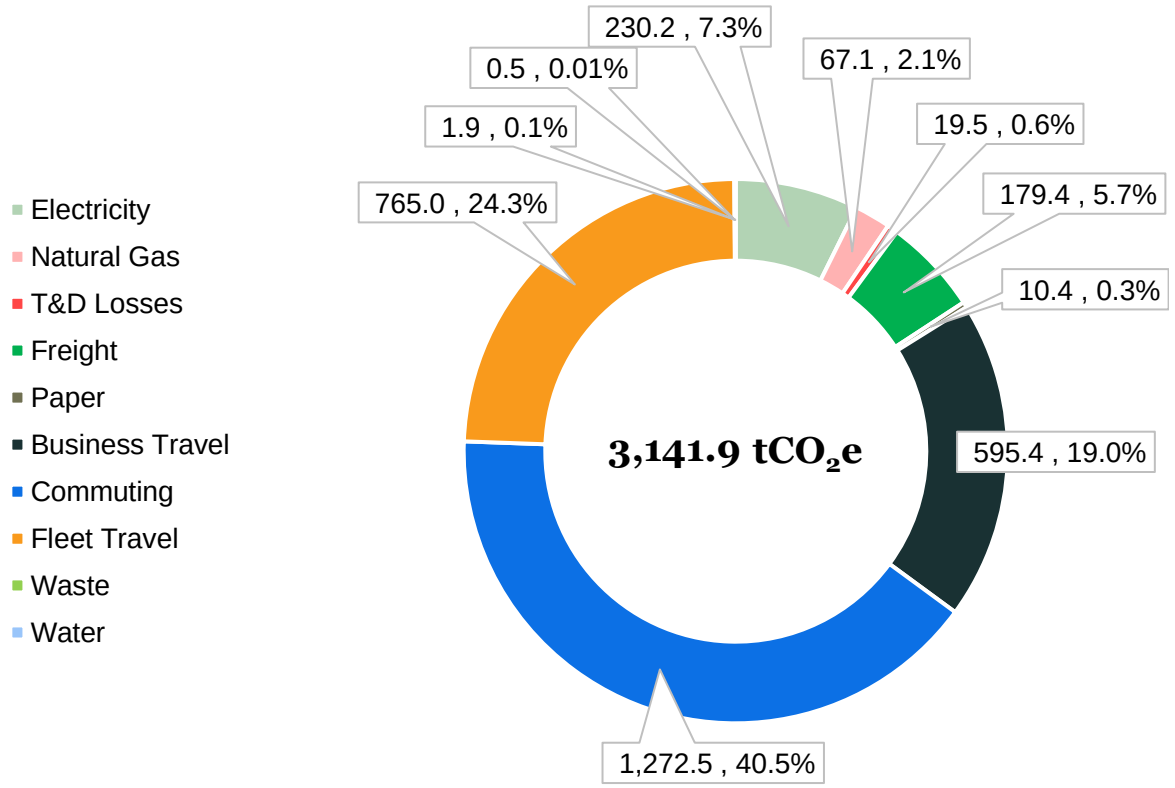
Reporting Boundary:
Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Emissions measured:
Electricity, T&D Losses, On-Site Renewables, Natural Gas, Water, Fleet, Business Travel, Waste, Paper, Commuting, Diesel, HVO, Homeworking (not included in total footprint)

Highlights:

Carbon footprint (tCO_2e):	**3,141.9**
Per employee (tCO_2e):	**4.0**
Next reduction target:	**5%**
Data quality score:	**15 out of 20**

Carbon footprint by emission source for year ending 2023, tCO_2e



Note: Your carbon footprint is reported two ways; one is using the location based method of calculating Scope 2 electricity emissions and the other the market based method. A location-based method reflects the average emissions intensity of grids on which energy consumption occurs (using mostly grid-average emission factor data). A market-based method reflects emissions from electricity that companies have purposefully chosen (or their lack of choice).

Measured carbon footprint.

Market *BASED*

Office Sites

Reporting year:
01 September 2022 to 31 August 2023

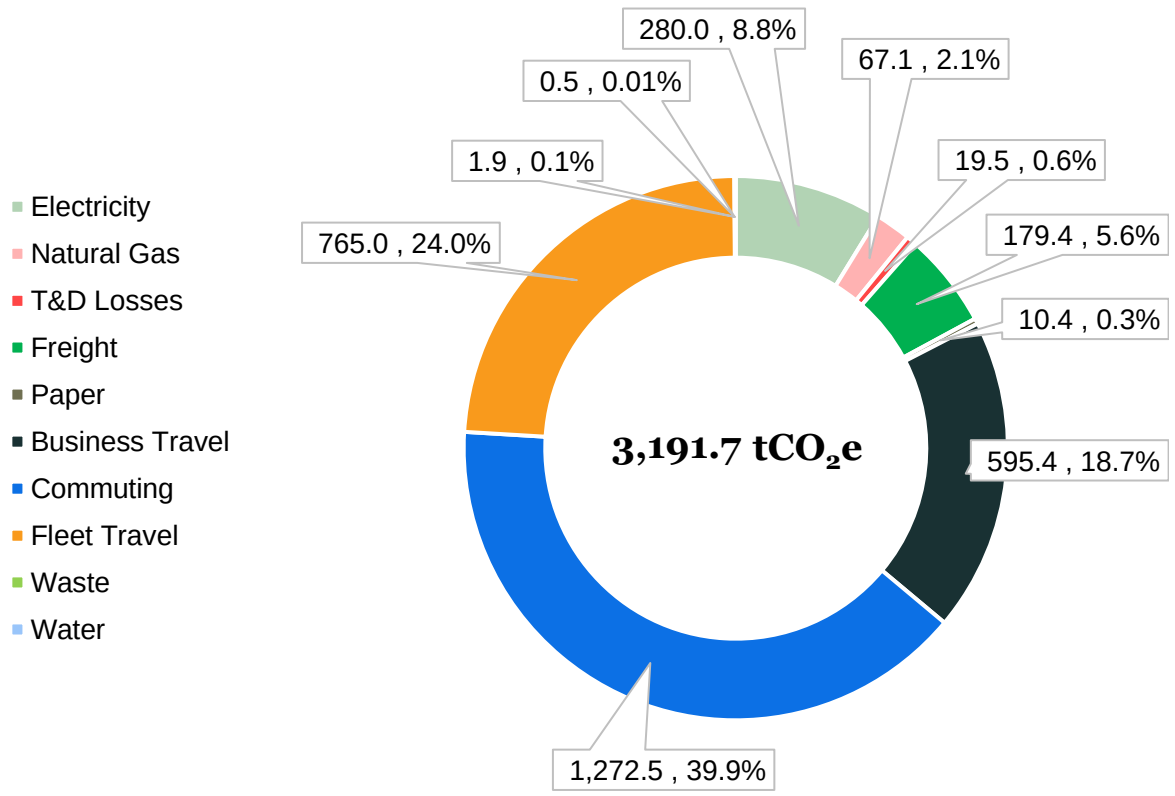
Reporting Boundary:
Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Emissions measured:
Electricity, T&D Losses, On-Site Renewables, Natural Gas, Water, Fleet, Business Travel, Waste, Paper, Commuting, Diesel, HVO, Homeworking (not included in total footprint)

Highlights:

Carbon footprint (tCO_2e):	**3,191.7**
Per employee (tCO_2e):	**4.1**
Next reduction target:	**5%**
Data quality score:	**15 out of 20**

Carbon footprint by emission source for year ending 2023, tCO_2e



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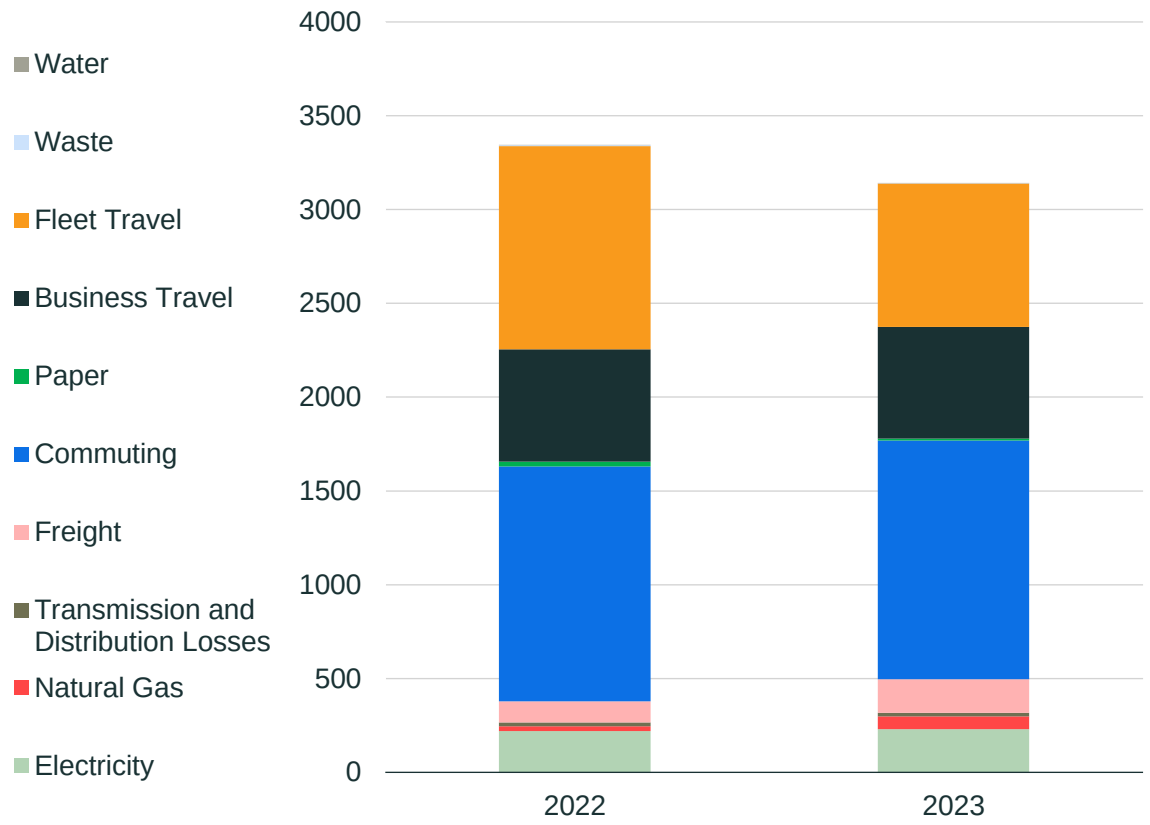
Measured carbon footprint.

Yearly COMPARISON

Office Sites

Source Category	2022	2023
Electricity	219.3	230.2
Natural Gas	25.6	67.1
Transmission and Distribution Losses	20.5	19.5
Freight	112.5	179.4
Commuting	1,252.7	1,272.5
Paper	24.9	10.4
Business Travel	598.9	595.4
Fleet Travel	1,084.4	765.0
Waste	5.1	0.5
Water	1.8	1.9
Total	**3,345.8**	**3,141.9**

Carbon footprint by emission source for year ending 2022 and 2023, tCO_2e



All rows and tables are rounded to one decimal place. This may lead to slight discrepancies in totals within the report.

Carbon footprint.

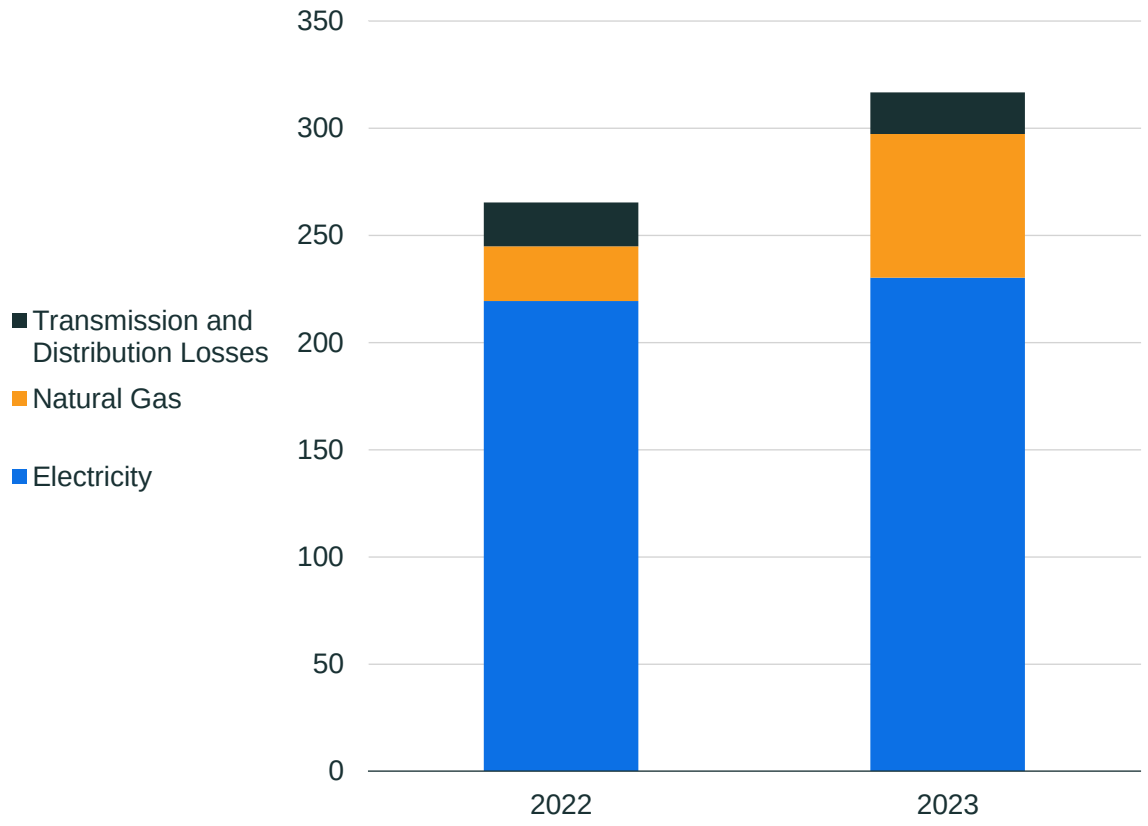
BUILDINGS

Office Sites

Emissions deriving from the use of office space increased by 19.74%, primarily driven by an increase in emissions from Natural Gas, which rose approx. 162%.

Buildings	2022	2023
Electricity	219.3	230.2
Natural Gas	25.6	67.1
Transmission and Distribution Losses	20.5	19.5
Total	**265.4**	**316.8**

Buildings emissions for year ending 2022 and 2023, tCO_2e



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Carbon footprint.
Business TRAVEL

Office Sites

Emissions deriving from the use of travel methods outside the boundary of the organisation decreased by 0.6%, despite having increased oversight of emissions sources.

Business Travel	2022	2023
Air Travel	7.8	4.6
Diesel Fuel	267.6	268.7
Electric Car	12.4	22.0
Ferry	0.01	0.01
Petrol Fuel	287.9	189.6
Rail Travel	23.1	23.2
Average Car	-	27.6
Hybrid Car	-	59.8
Total	**598.9**	**595.4**

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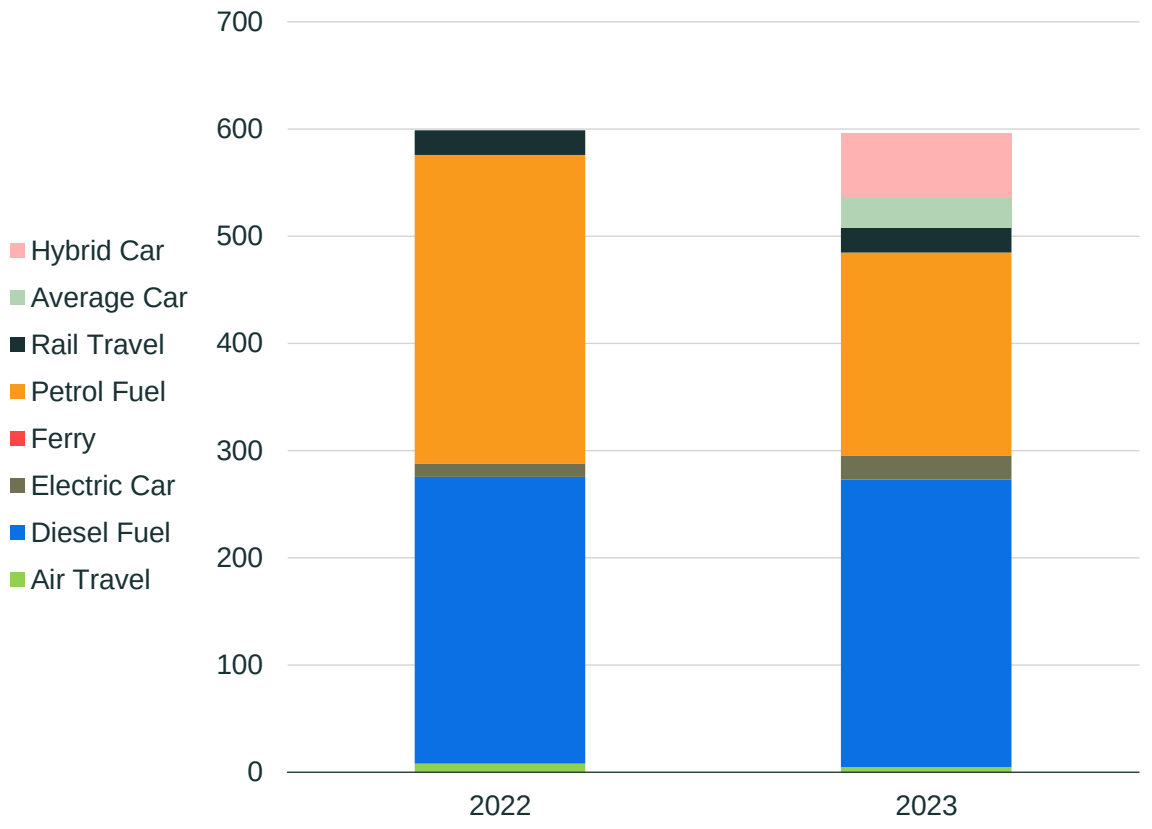
Business travel emissions for year ending 2022 and 2023, tCO_2e



Carbon footprint.

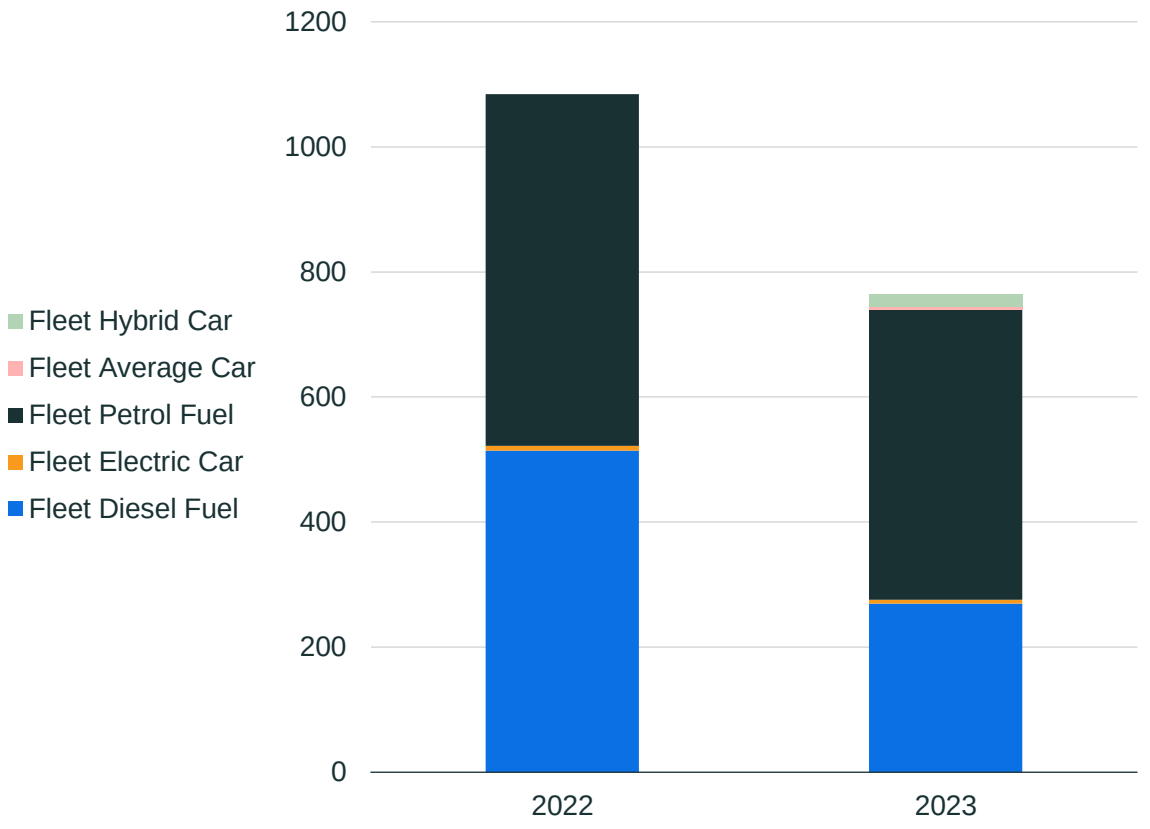
Fleet TRAVEL

Office Sites

Emissions deriving from the use of company vehicles decreased by 29.5%. This is driven by a reduction in Diesel fuel of approx. 46.7%. Bowmer and Kirkland is also reporting other sources of emissions this year such as Hybrid and unknown fuel (average) as seen in the table below.
Diesel Fuel / Petrol Fuel are the emissions calculated from the data provided in litres.
Electric Car/Average Car/Hybrid Car are the emissions calculated from the data provided in miles.

Fleet Travel	2022	2023
Fleet Diesel Fuel	514.1	269.4
Fleet Electric Car	7.9	6.1
Fleet Petrol Fuel	562.4	464.5
Fleet Average Car	-	4.5
Fleet Hybrid Car	-	20.5
Total	**1,084.4**	**765.0**

Fleet travel emissions for year ending 2022 and 2023, tCO_2e



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Carbon footprint.

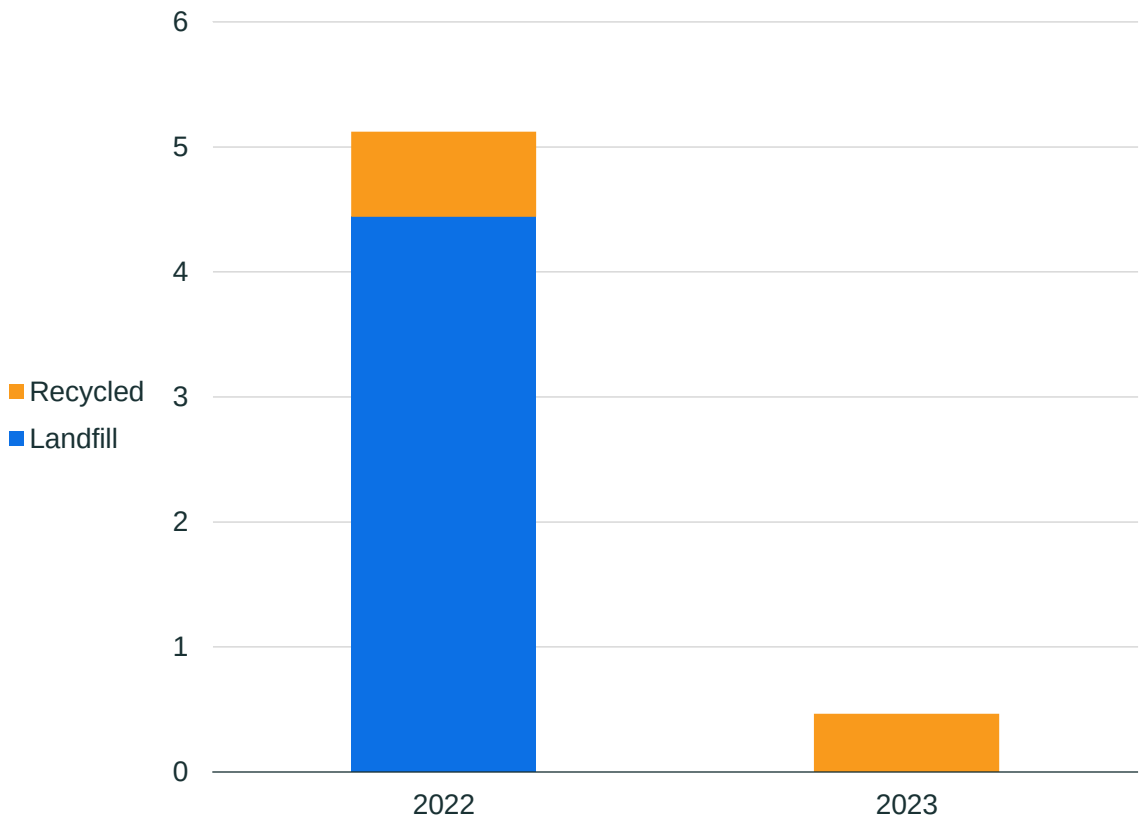
WASTE

Office Sites

Office sites waste emissions have considerably decreased by 91% compared to the previous year.

Waste	2022	2023
Landfill	4.4	-
Recycled	0.7	0.5
Total	**5.1**	**0.5**

Waste emissions for year ending 2022 and 2023, tCO_2e



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Carbon footprint.

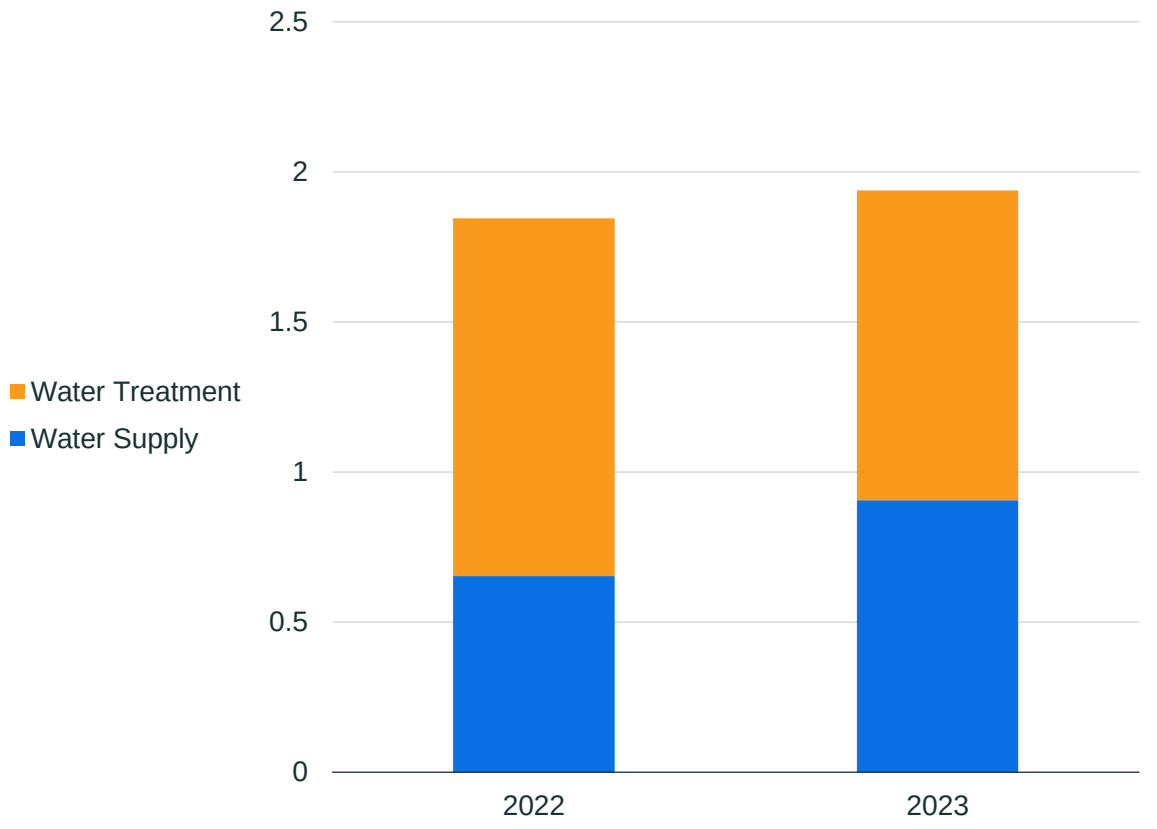
WATER

Office Sites

Office sites water emissions have increased by 5% compared to the previous year

Water	2022	2023
Water Supply	0.7	0.9
Water Treatment	1.2	1.0
Total	**1.8**	**1.9**

Water emissions for year ending 2022 and 2023, tCO_2e



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Carbon footprint.

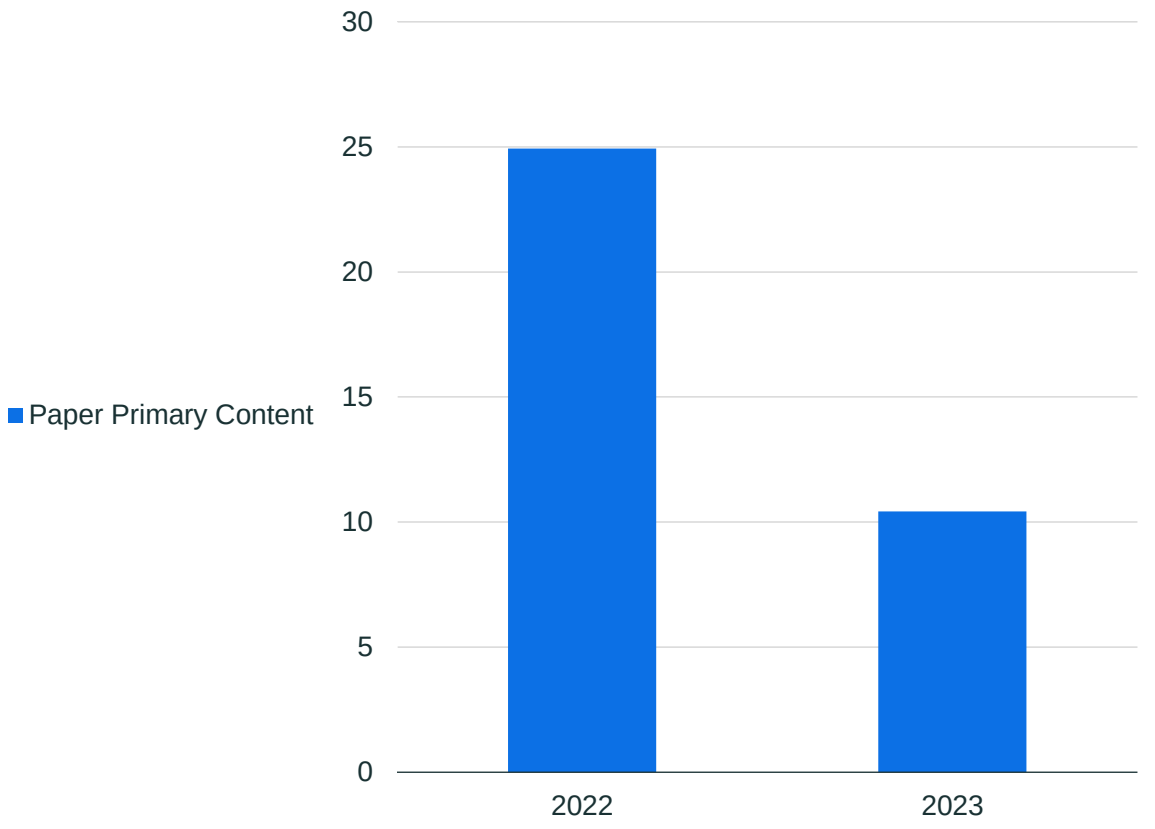
PROCUREMENT

Office Sites

Office sites paper emissions have decreased by 58.1% compared to the previous year

Paper	2022	2023
Paper Primary Content	24.9	10.4
Total	**24.9**	**10.4**

Procurement emissions for year ending 2022 and 2023, tCO_2e



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Carbon footprint.

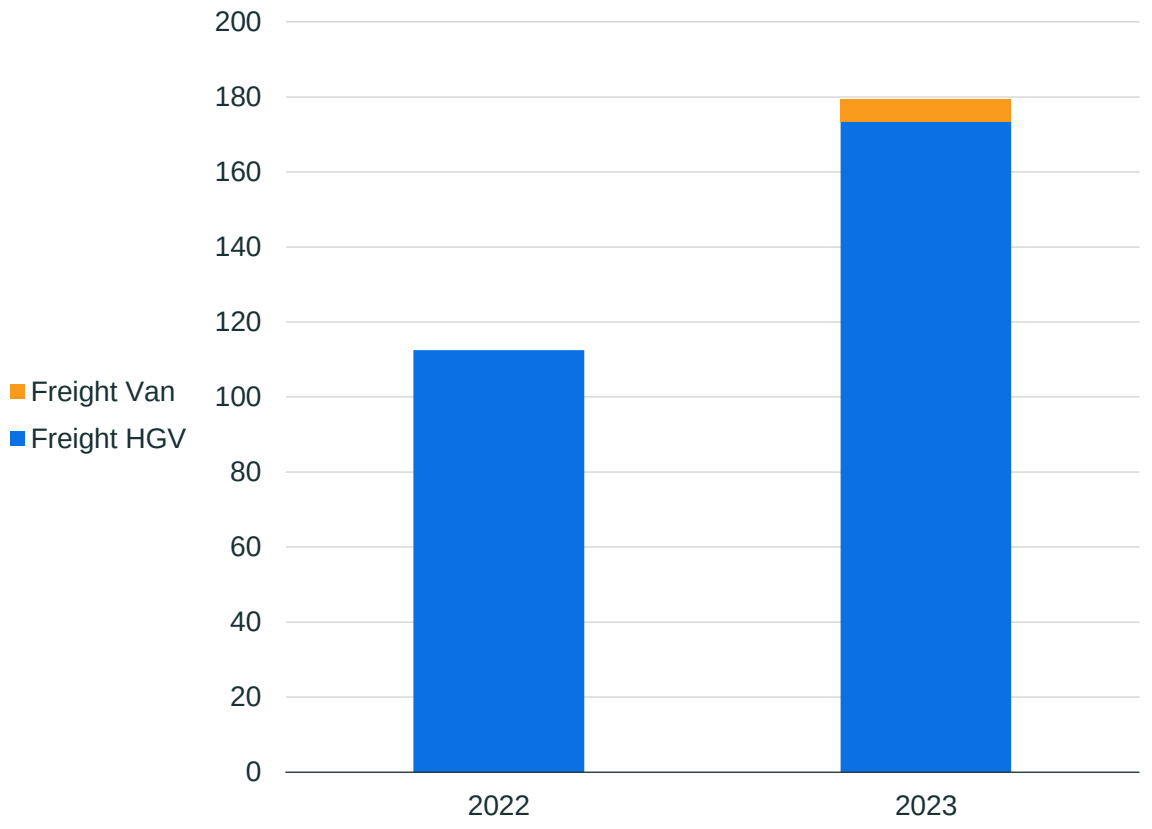
Courier FREIGHT

Office Sites

The emissions associated with Freight increased by 59.5%.

Freight	2022	2023
Freight HGV	112.5	173.4
Freight Van	-	6.0
Total	**112.5**	**179.4**

Courier freight emissions for year ending 2022 and 2023, tCO_2e



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Carbon footprint.

COMMUTING

Office Sites

The survey answers have been extrapolated to cover the commuting for employees who didn't have company cars.
Year-on Year comparison shows an increase of 1.6% in commuting emissions.

Commuting	2022	2023
Commuting Average Car	14.79	20.2
Commuting Bus	8.09	5.7
Commuting Diesel Car	681.08	574.3
Commuting Electric Car	1.99	7.8
Commuting Motorbike	-	6.5
Commuting PHEV	18.39	39.2
Commuting Petrol Car	463.25	568.9
Commuting Rail	30.90	46.3
Commuting Van	10.62	3.5
Commuting Hybrid	23.61	-
Commuting Walking	0.0	0.0
Total	**1,252.7**	**1,272.5**

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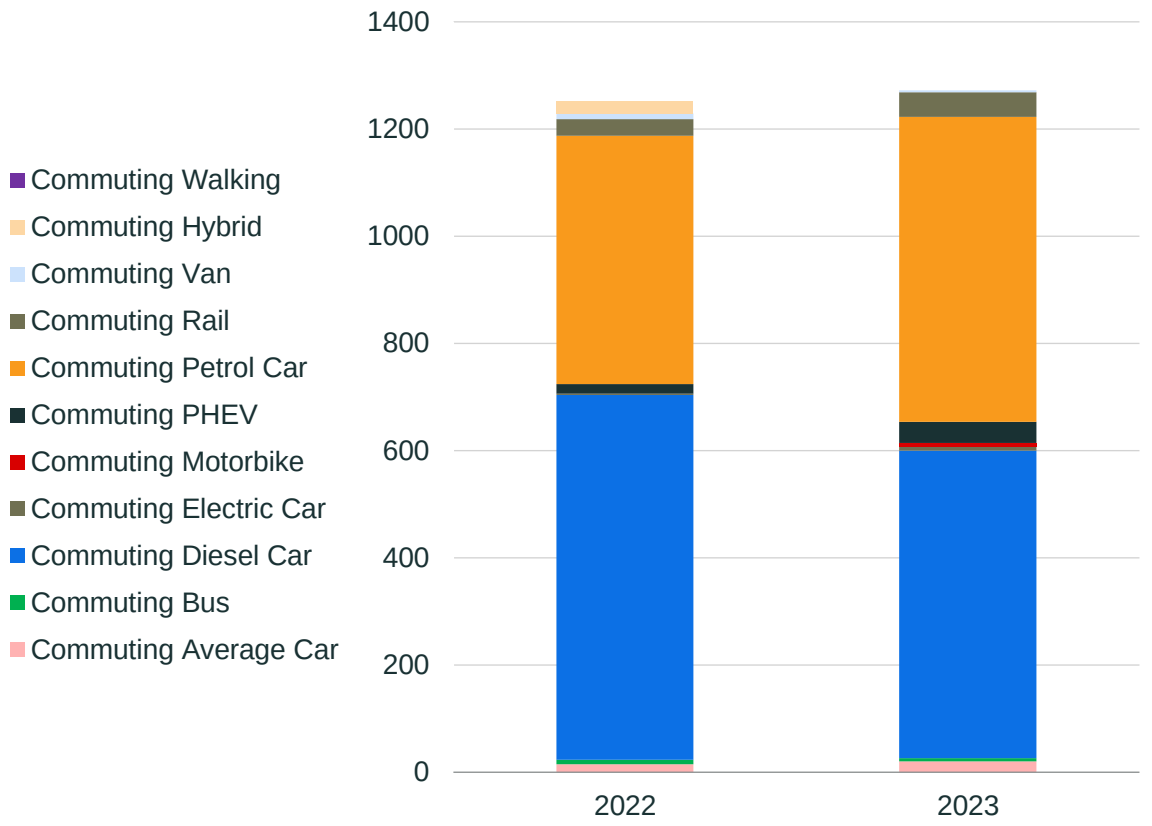
Commuting emissions for year ending 2022 and 2023, tCO_2e



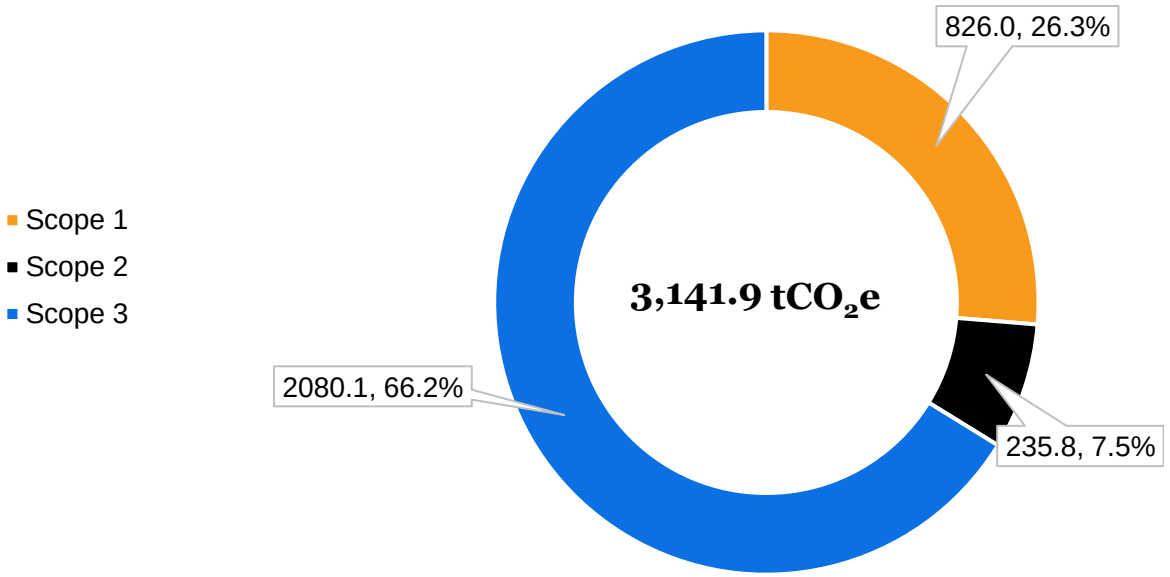
Measured carbon footprint.

BY SCOPE

Office Sites

Scope	tCO_2e	%
Scope 1	826.0	26.3
Scope 2	235.8	7.5
Scope 3	2,080.1	66.2
Total	**3,141.9**	**100.0**

Measured carbon emissions by scope for year ending 2023, tCO_2e



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Carbon footprint.

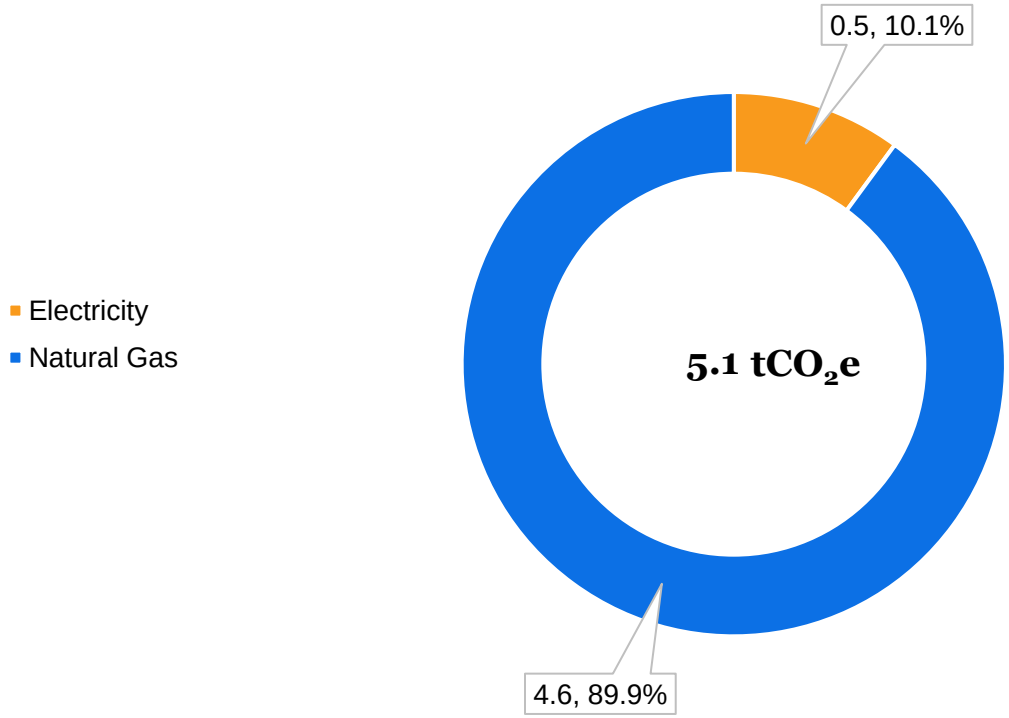
HOME OFFICE

Office Sites

Due to the uncertainties surrounding Home Office emissions these figures are provided for information only in order to give an indication of the scale of the impact associated with home office energy consumption. They have not been included in your carbon footprint total.

Homeworking	tCO_2e	%
Electricity	0.5	10.1
Natural Gas	4.6	89.9
Total	**5.1**	**100.0**

Homeworking emissions for year ending 2023, tCO_2e



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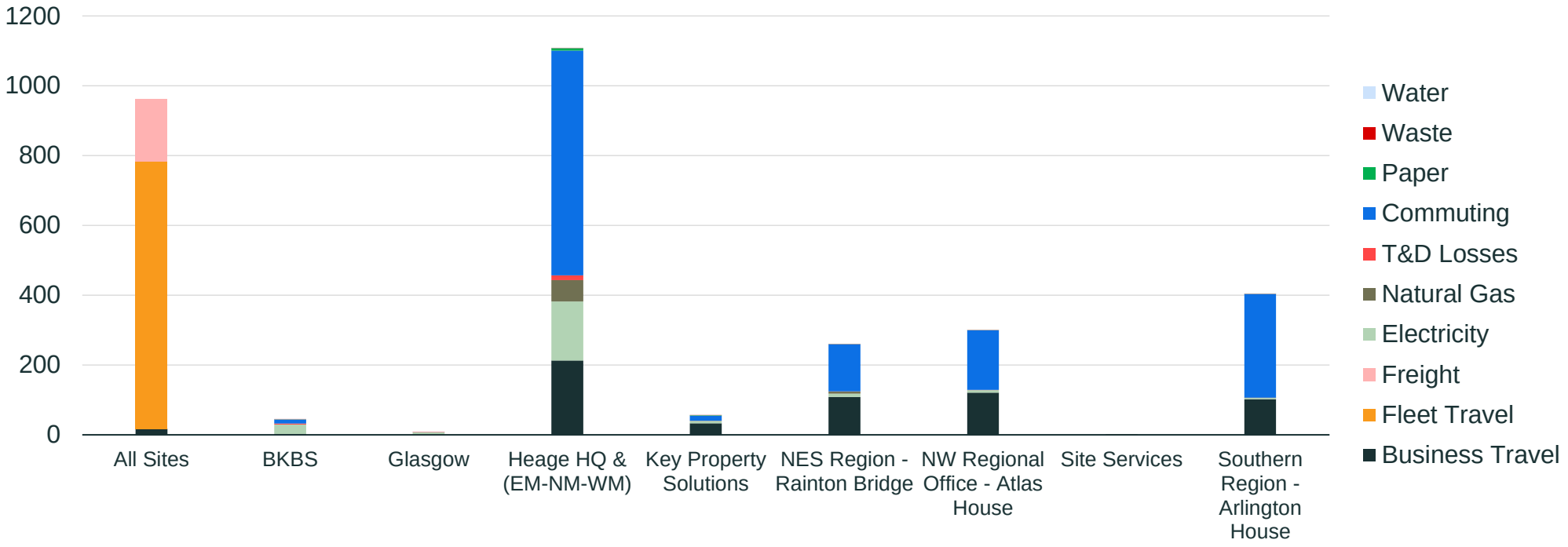
Carbon footprint.

BY LOCATION

Office Sites

Carbon footprint for each location

tCO_2e



Note:
'All Sites' includes freight, business travel and fleet emissions since the data submitted was cumulative for the whole business.

Benchmarking Percentage reduction.

Office Sites

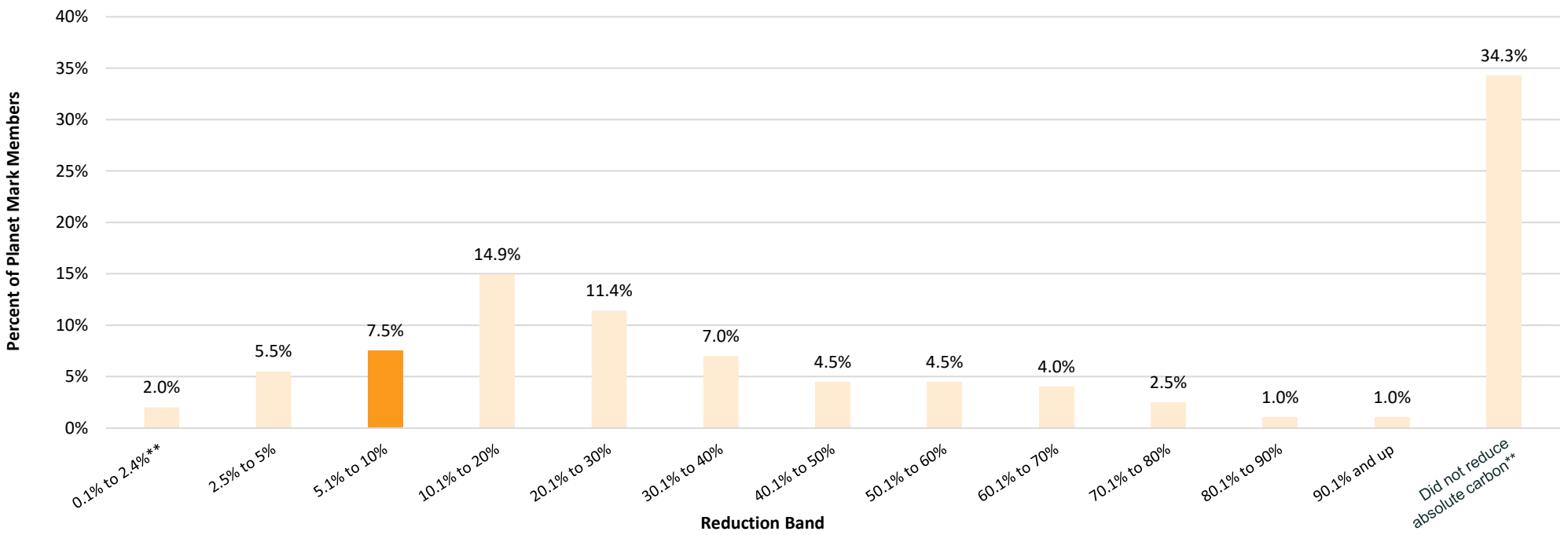
% reduction in absolute carbon by Planet Mark Members (Year 2021)*

Absolute carbon reduction achieved:

-6.1%

Your reduction band is highlighted on the graph.

Bowmer + Kirkland reduced its measured carbon by 6.1% from the previous year. 7.5% of Planet Mark Members also achieved a 5.1% to 10% reduction in their measured carbon.



*The benchmarking data above is based on YE2021 reporting period and a sample of 352 Members. It excludes Members in their first year of carbon measurement as historic comparison is not possible.
**Certified using another qualifying metric.

Benchmarking Percentage reduction.

Office Sites

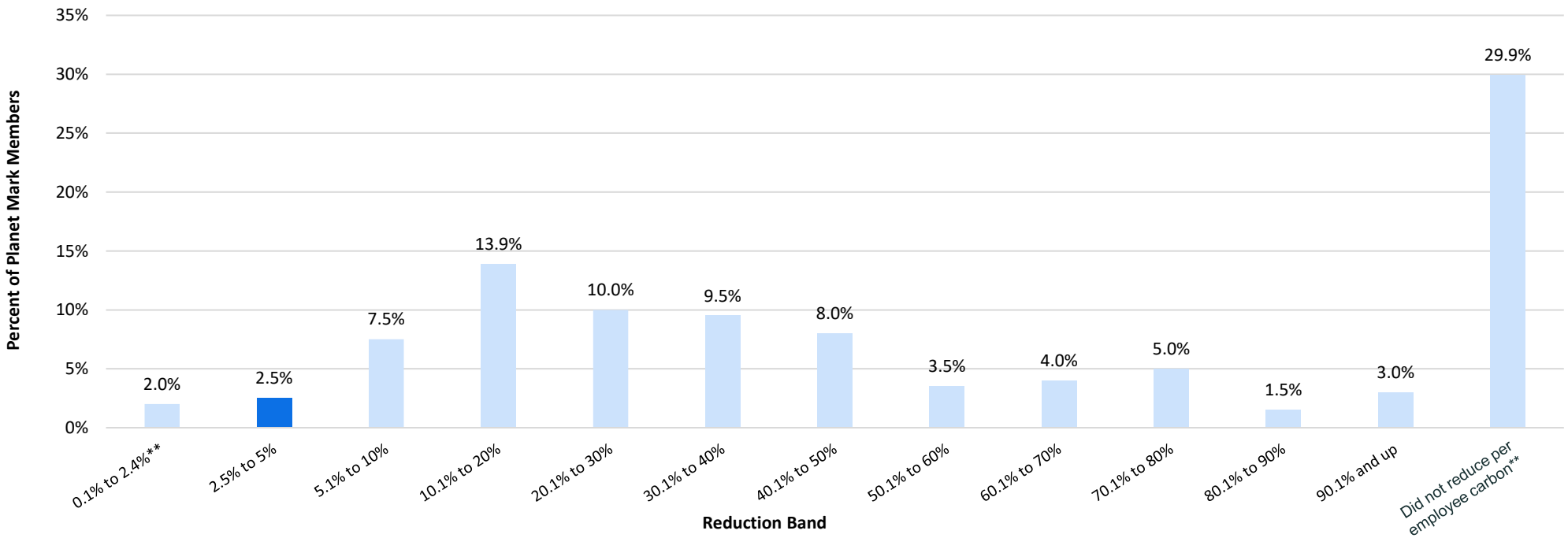
% reduction in carbon per employee by Planet Mark Members (Year 2021)*

Per employee carbon reduction achieved:

-3.1%

Your reduction band is highlighted on the graph.

Bowmer + Kirkland reduced its measured carbon per employee by 3.1% from the previous year. 2.5% of Planet Mark Members also achieved a 2.5% to 5% reduction in their measured carbon per employee.



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**Certified using another qualifying metric.

Looking ahead.
Targets for next year.

Office Sites

Measured carbon footprint

3,141.9 tCO_2e

Carbon reduction target (5%)

157.1 tCO_2e

Carbon reduction per employee (5%)

0.2 tCO_2e

Measured carbon EMISSIONS

Construction Sites

7,539.7
tCO_2e measured emissions

Measured emissions equivalent to
6,666 flights from London to New York

9.7
tCO_2e per employee

Fuels

5,865.3 tCO_2e

Used enough electricity to power **829** UK homes for one year

Travel

N/A

Waste

1,124.2 tCO_2e

Produced waste that weighs the same as **29,957** London buses

Water

535.8 tCO_2e

16,633 litres per employee per day

Procurement

14.4 tCO_2e

Paper usage equates to **260** trees

Homeworking

N/A

Measured carbon footprint.

Location BASED

Construction Sites

Reporting year:
01 September 2022 to 31 August 2023

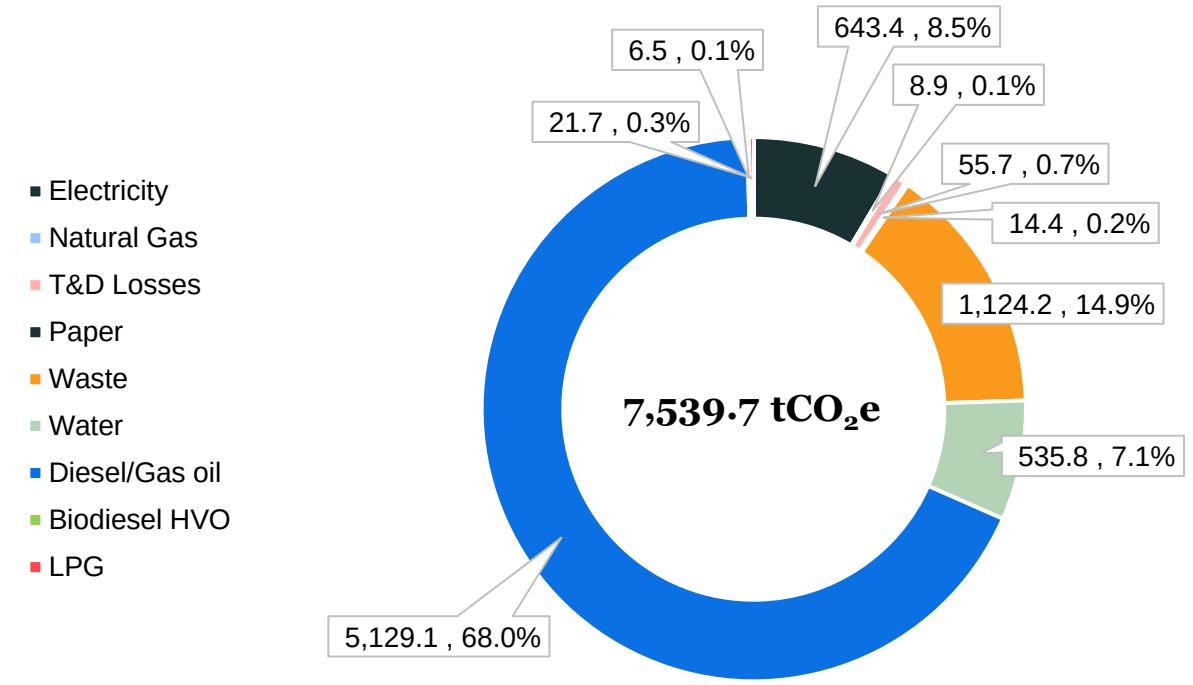
Reporting Boundary:
Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Emissions measured:
Electricity, T&D Losses, On-Site Renewables, Natural Gas, Water, Fleet, Business Travel, Waste, Paper, Commuting, Diesel, HVO, Homeworking (not included in total footprint)

Highlights:

Carbon footprint (tCO_2e):	**7,539.7**
Per employee (tCO_2e):	**9.7**
Next reduction target:	**5%**
Data quality score:	**15 out of 20**

Carbon footprint by emission source for year ending 2023, tCO_2e



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Measured carbon footprint.

Market *BASED*

Construction Sites

Reporting year:
01 September 2022 to 31 August 2023

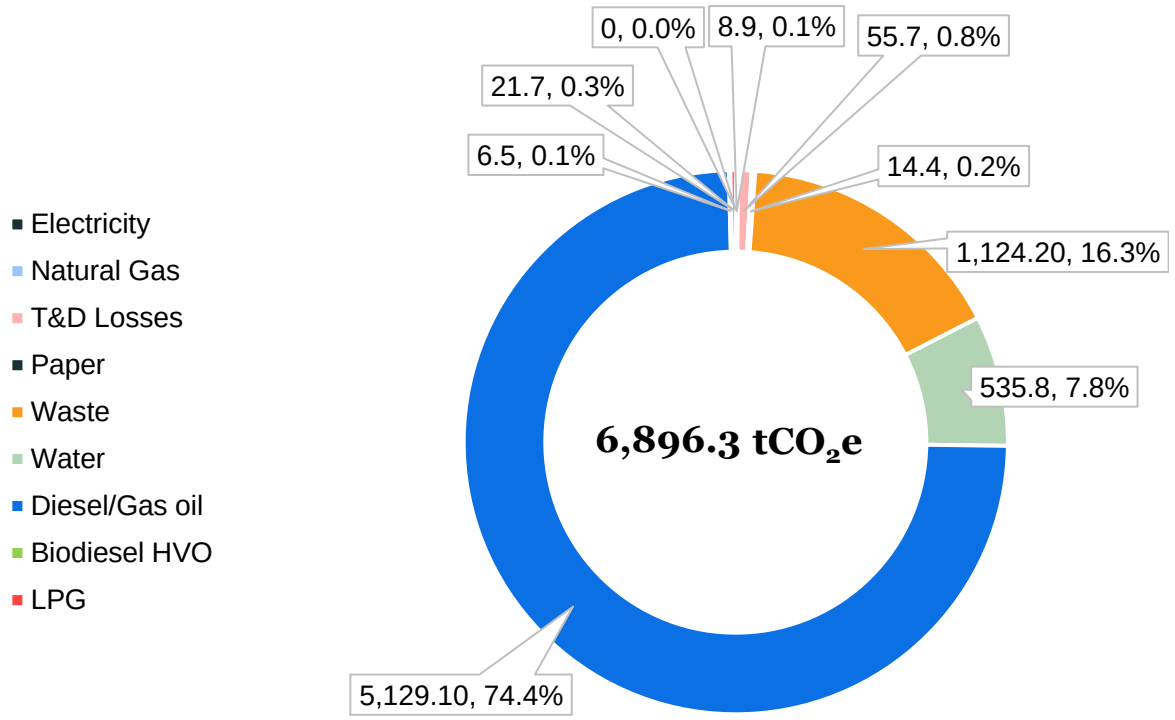
Reporting Boundary:
Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Emissions measured:
Electricity, T&D Losses, On-Site Renewables, Natural Gas, Water, Fleet, Business Travel, Waste, Paper, Commuting, Diesel, HVO, Homeworking (not included in total footprint)

Highlights:

Carbon footprint (tCO_2e):	**6,896.3**
Per employee (tCO_2e):	**8.8**
Next reduction target:	**5%**
Data quality score:	**15 out of 20**

Carbon footprint by emission source for year ending 2023, tCO_2e



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Measured carbon footprint.

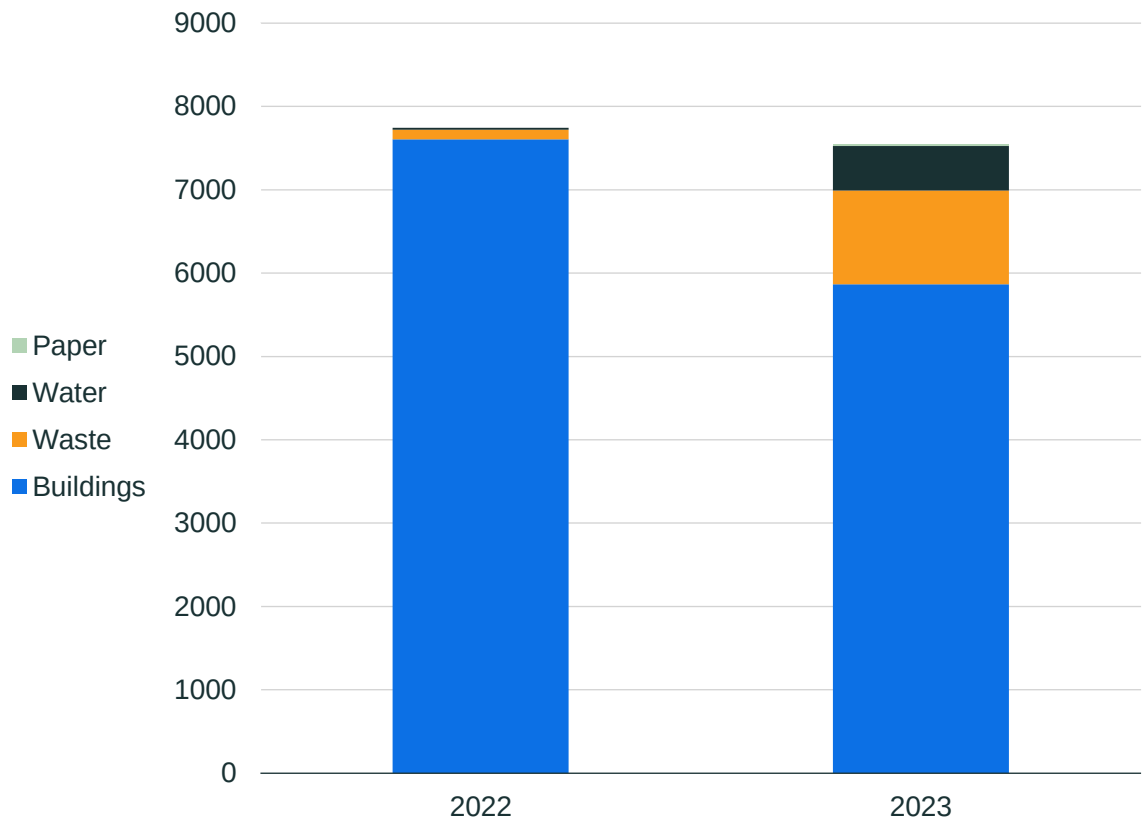
Yearly COMPARISON

Construction Sites

Construction sites total carbon emissions have decreased by 2.6% compared to the previous year

Source Category	2022	2023
Fuels	7,603.0	5,865.3
Waste	117.1	1,124.2
Water	23.3	535.8
Paper	-	14.4
Total	**7,743.4**	**7,539.7**

Carbon footprint by emission source for year ending 2022 and 2023, tCO_2e



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Carbon footprint.

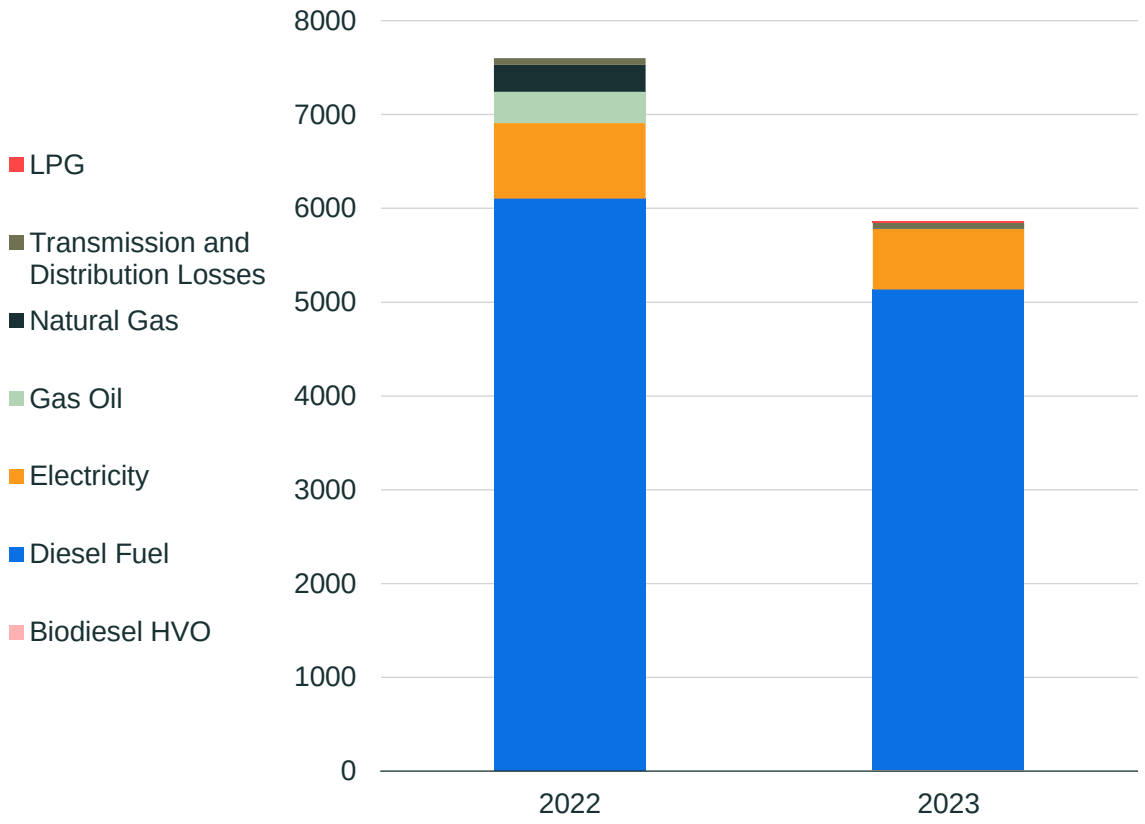
FUELS

Construction Sites

Construction sites building emissions have decreased by 22.8% compared to the previous year

Fuels	2022	2023
Biodiesel HVO	1.4	6.5
Diesel Fuel	6,102.9	5,129.1
Electricity	804.4	643.4
Gas Oil	336.5	-
Natural Gas	284.3	8.9
Transmission and Distribution Losses	73.6	55.7
LPG	-	21.7
Total	**7,603.0**	**5,865.3**

Fuels emissions for year ending 2022 and 2023, tCO_2e



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Carbon footprint.

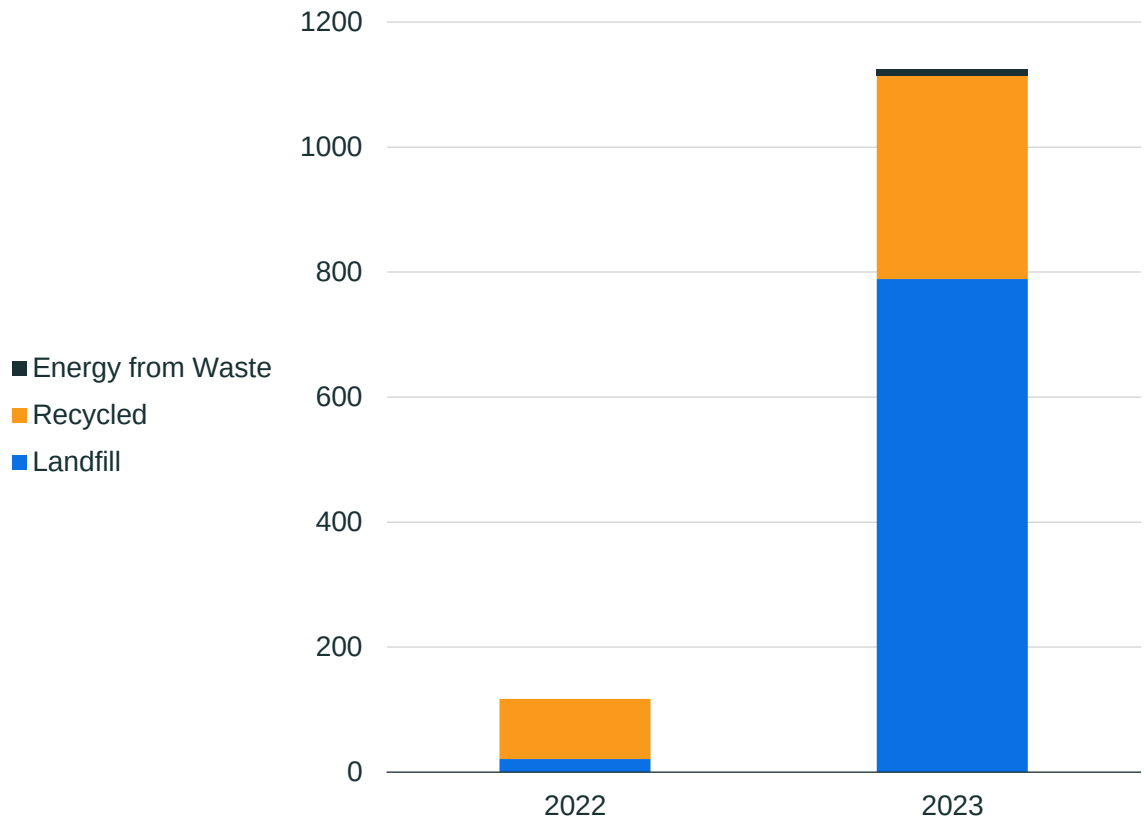
WASTE

Construction Sites

Construction sites waste emissions have increased significantly by 859% compared to the previous year

Waste	2022	2023
Landfill	21.1	789.0
Recycled	96.1	325.6
Energy from Waste	-	9.6
Total	**117.1**	**1,124.2**

Waste emissions for year ending 2022 and 2023, tCO_2e



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Carbon footprint.

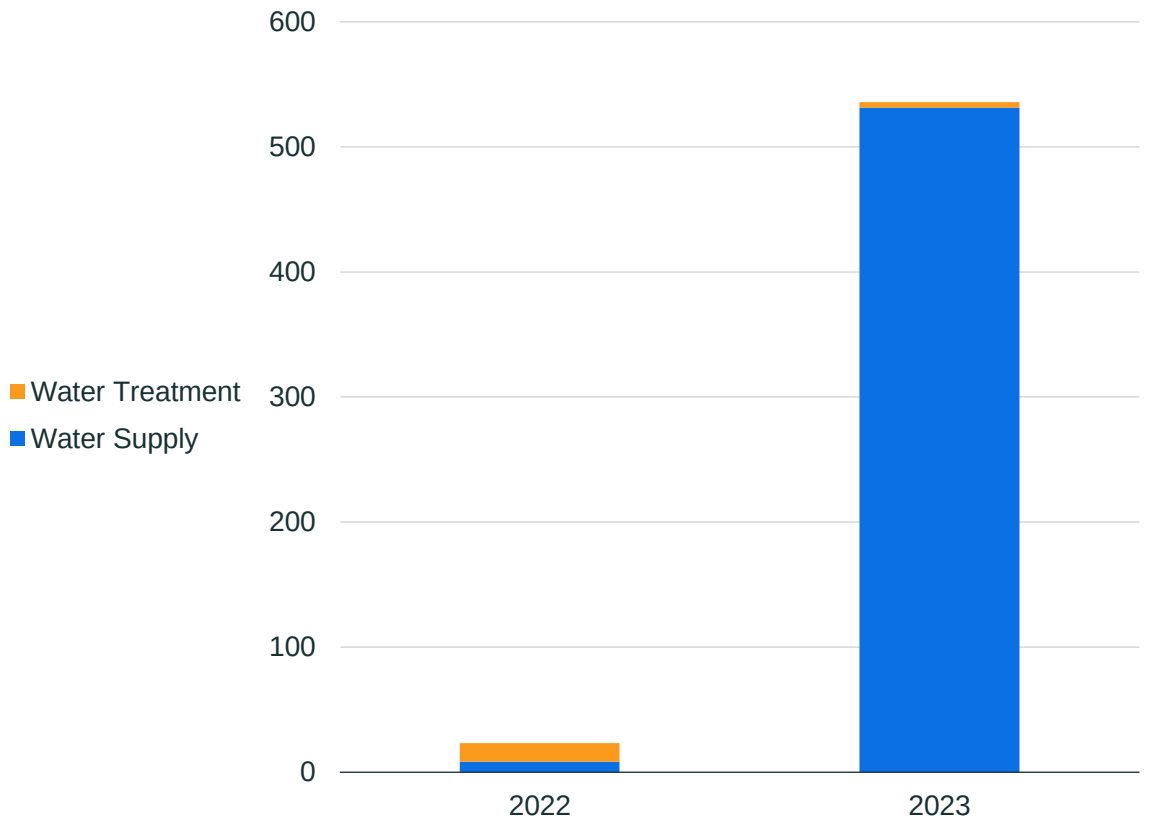
WATER

Construction Sites

Construction sites water emissions have increased this year by 2200% compared to the previous year. Despite what may appear an alarming increase, water only represents 7.1% of the total construction site footprint.

Water	2022	2023
Water Supply	8.2	531.5
Water Treatment	15.0	4.3
Total	**23.3**	**535.8**

Water emissions for year ending 2022 and 2023, tCO_2e



All rows and tables are rounded to one decimal place. This may lead to slight discrepancies in totals within the report.

Carbon footprint.

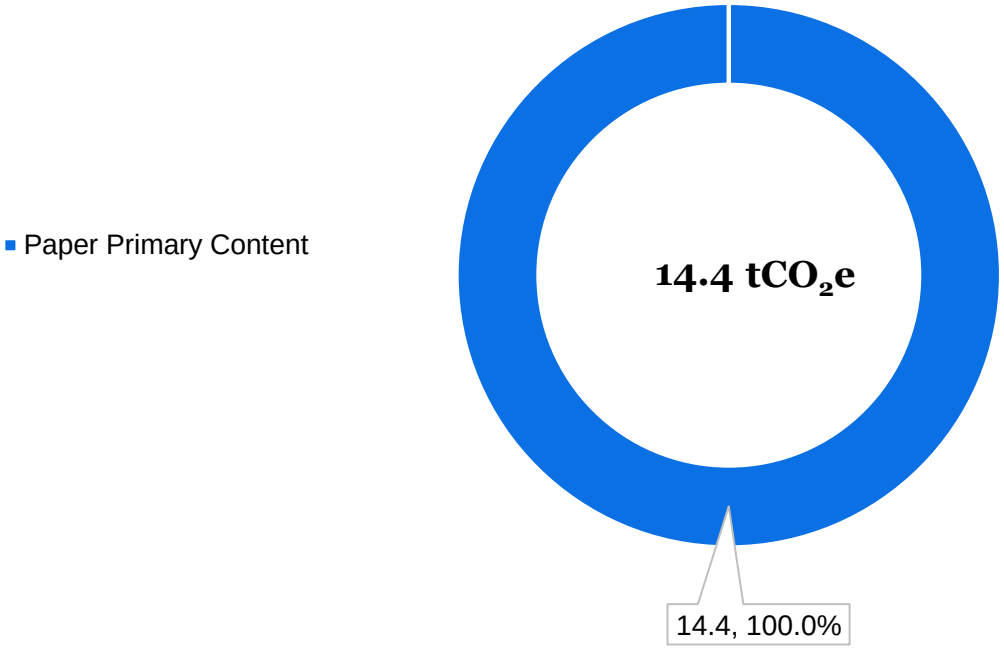
PROCUREMENT

Construction Sites

Construction sites procurement has increased this year from being paperless in the previous year. Despite this increase, procurement remains an extremely low source of emissions, accounting for just 0.2% of the construction sites footprint.

Paper	tCO_2e	%
Paper Primary Content	14.4	100.0
Total	**14.4**	**100.0**

Procurement emissions for year ending 2023, tCO_2e



All rows and tables are rounded to one decimal place. This may lead to slight discrepancies in totals within the report.

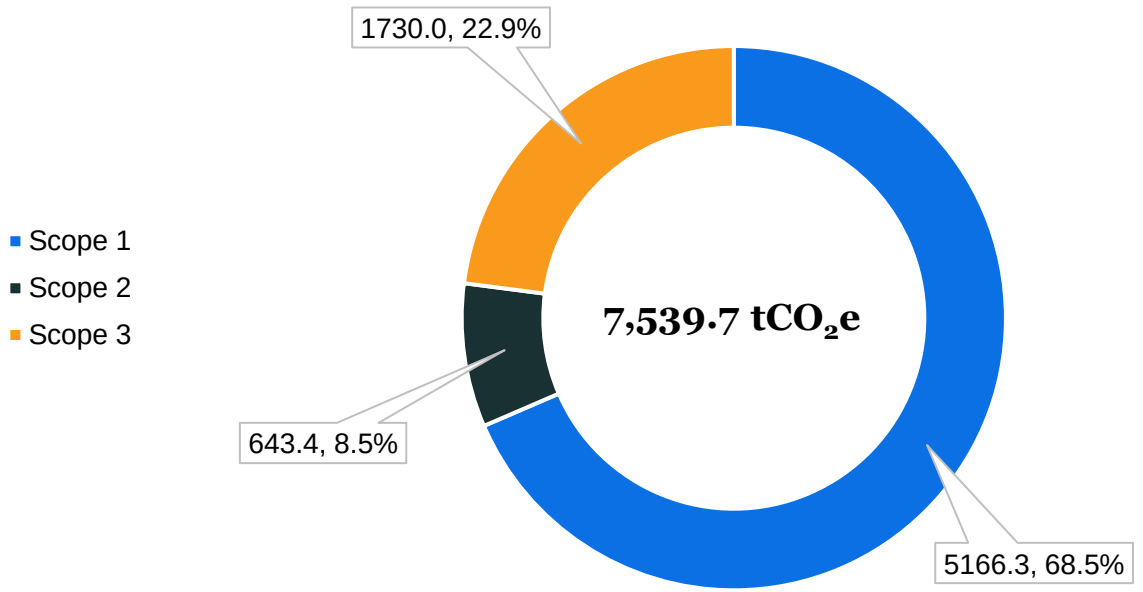
Measured carbon footprint.

BY SCOPE

Construction Sites

Scope	tCO_2e	%
Scope 1	5,166.3	68.5
Scope 2	643.4	8.5
Scope 3	1,730.0	22.9
Total	**7,539.7**	**100.0**

Measured carbon emissions by scope for year ending 2023, tCO_2e



All rows and tables are rounded to one decimal place. This may lead to slight discrepancies in totals within the report.

Benchmarking Percentage reduction.

Construction Sites

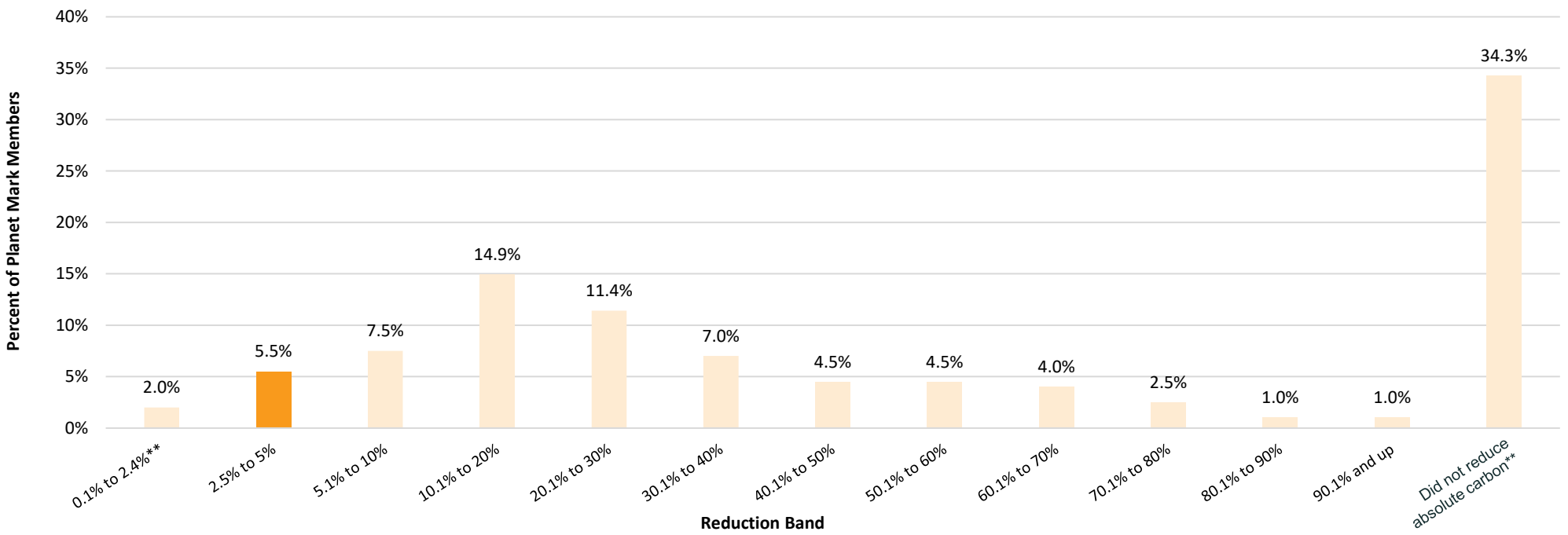
% reduction in absolute carbon by Planet Mark Members (Year 2021)*

Absolute carbon reduction achieved:

-2.6%

Your reduction band is highlighted on the graph.

Bowmer + Kirkland Construction Sites reduced its measured carbon by 2.6% from the previous year. 5.5% of Planet Mark Members also achieved a 2.5% to 5% reduction in their measured carbon.



*The benchmarking data above is based on YE2021 reporting period and a sample of 352 Members. It excludes Members in their first year of carbon measurement as historic comparison is not possible.
**Certified using another qualifying metric.

Looking ahead.
Targets for next year.

Construction Sites

Measured carbon footprint

7,539.7 tCO_2e

Carbon reduction target (5%)

377.0 tCO_2e

Carbon reduction per employee (5%)

0.5 tCO_2e

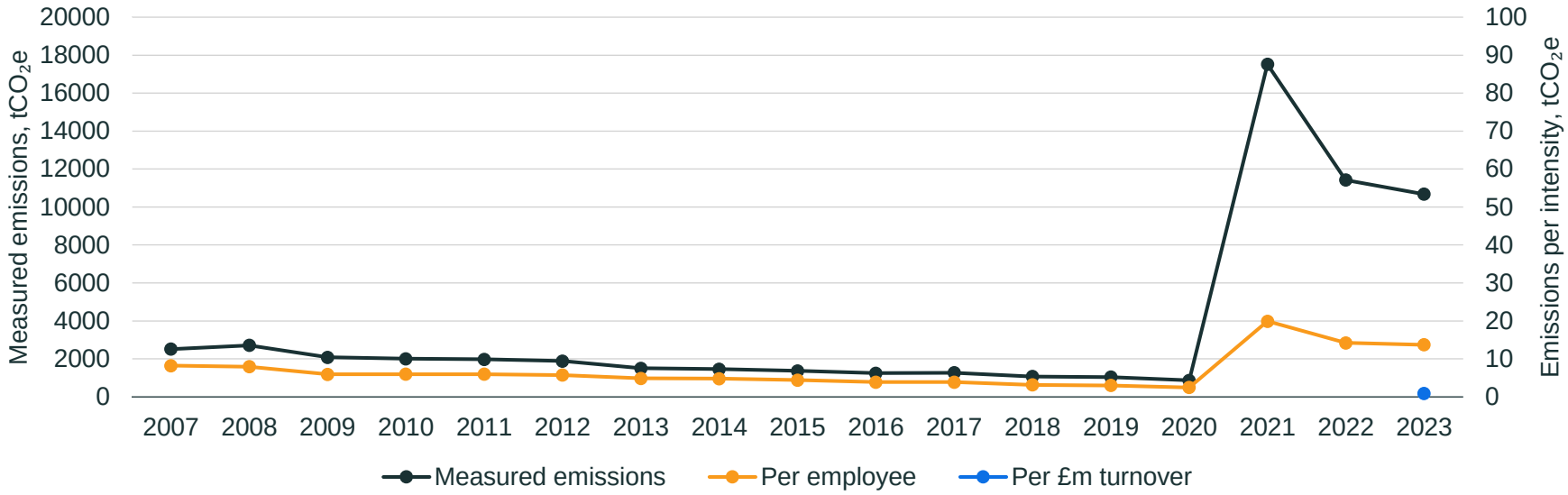
Historical Carbon Emissions

Offices Sites & Construction Sites

Reported carbon emissions year ending 2007 to 2023

Note:

This graph shows absolute reported carbon emissions for each year the Planet Mark Business Certification was measured using the location-based method. Planet Mark's Business Certification covers scope 1, 2 and some 'core' scope 3 emissions



Improvements in data quality and changes to the business reporting boundary may impact the emission sources included in each year's certification. Meaningful comparisons, therefore, may not be possible without normalisation (not shown here). Annual reductions are based on the previous year's emissions (a rolling baseline), with certification awarded based on a minimum normalised reduction requirement or the emissions banking approach.

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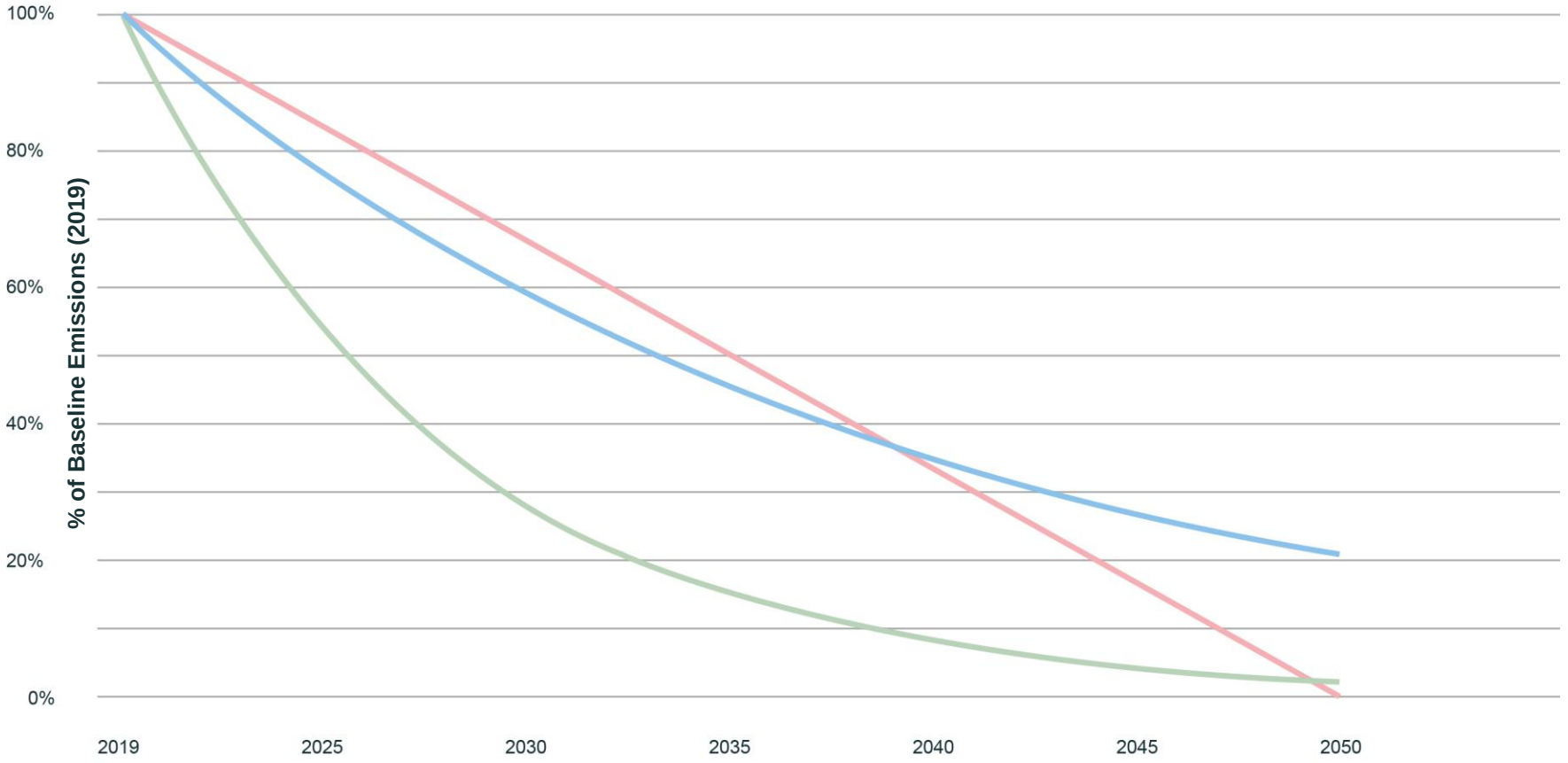
Target setting.

A Decade of Action: Pathways to Net Zero through varying emissions reduction trajectories



Planet Mark 5% annual reduction

- 5% year on year reduction is the minimum annual reduction recommended by the Planet Mark.

Planet Mark 12% annual reduction

- 12% year on year reduction is based on the mean average reduction achieved by the Planet Mark holders in Ye2019.
- A 12% year on year reduction from a 2019 baseline will set you on track to meet the UK target Net Zero by 2050.

Net Zero 2050

Step two.

ENGAGE

Workshops.

At Planet Mark we believe each day is an opportunity to create change. Our engagement experts will help unlock your employees' passion and help embed sustainability within your organisation.

Our workshops seek to inform, inspire and empower participants to become part of your business' net zero journey.

One virtual 1h sustainability workshop is included with your Certification.

Book a call with us here to explore how we can help upskill, build confidence and participation among your team and wider stakeholders.

Workshop	Description
Sustainability Plan Workshop	A three-hour session which lifts the lid on operational carbon emissions, supporting a brainstorming session to understand impacts and consider actions that can make a material difference. Participants leave with a one-year Sustainability Plan with SMART targets, roles and responsibilities.
Net Zero Carbon Essentials	A three-hour CPD accredited workshop which introduces the fundamentals of net zero carbon and what it means for a business to embark on a Net Zero journey.
Net Zero Masterclass	Designed for senior leaders and board members, this short workshop covers the Net Zero terminology, legislation and frameworks and presents an opportunity for leaders to discuss the company's net zero journey.
Business Sustainability Essentials	A three-hour CPD accredited workshop covering the basics of business sustainability and the role your employees can adopt in driving change from within.
Supplier Engagement workshop	Invite your suppliers to learn about and get involved with your sustainability journey and net zero ambitions. We facilitate and build content particularly around Scope 3 emissions.

The Eden Project

PARTNERSHIP

At Planet Mark, we recognise that that we need nature to address the greatest challenges of our time.

The Eden Project, an educational charity, connects us with each other and the living world, exploring how we can work towards a better future.

As part of your certification with the Planet Mark, a number of tickets have been assigned to your organisation so you can visit the Eden Project for free – please get in touch to arrange your Eden Project visit and inspire and encourage positive action.

Cool Earth

PARTNERSHIP

Protecting our rainforests is one of our best lines of defence against climate change.

- Cool Earth is helping rainforest communities to protect nearly 100,000 hectares of biodiversity rich rainforest across three continents.
- Behind this huge milestone are thousands of families whose futures have been transformed.

Step three.

COMMUNICATE

Communicating your international influence.

Office Sites

The Sustainable Development Goals (SDGs), also known as the Global Goals, are a collection of 17 interrelated goals set by the United Nations. They cover a broad range of social and economic development issues. These include poverty, hunger, health, education, climate change, gender, equality, water, sanitation, energy.

By measuring and reducing your carbon footprint with the Planet Mark, you can directly and measurably contribute to up to 9 SDGs addressing 14 SDG targets.

Contributing towards

9 SDGs

SDG alignment.

Office Sites

6.3 - Reduction in total waste produced

6.3 - 100% of water treated

9.4 - Reduction in electricity use

13.3 - Reduction in absolute carbon emissions

13.3 - Donation to the Eden Project

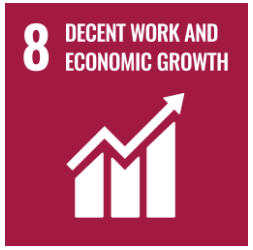
7.3 - Reduction in electricity use

7.2 - 75% of energy demand met by renewable energy

11.6 - Measured carbon emissions
11.6 - Reduction in absolute carbon emissions
11.6 - Reduction in travel emissions
11.6 - Reduction in total waste produced
11.6 - 100% of waste recycled and composted
11.4 - Donation to the Eden Project

14.3 - Reduction in absolute carbon emissions

14.1 - Reduction in total waste produced



8.4 - Reduction in absolute carbon emissions

8.4 - Reduction in carbon emissions per intensity

12.6 - Measured carbon emissions

12.1 - Reduction in absolute carbon emissions

12.5 - Reduction in total waste produced

12.5 - 100% of waste recycled and composted

15.5 - Reduction in absolute carbon emissions

15.2 - Reduction in paper use

15.2 - 100% of paper FSC/PEFC certified

Communicating your international influence.

Construction Sites

The Sustainable Development Goals (SDGs), also known as the Global Goals, are a collection of 17 interrelated goals set by the United Nations. They cover a broad range of social and economic development issues. These include poverty, hunger, health, education, climate change, gender, equality, water, sanitation, energy.

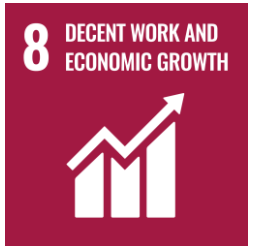
By measuring and reducing your carbon footprint with the Planet Mark, you can directly and measurably contribute to up to 9 SDGs addressing 14 SDG targets.

Contributing towards

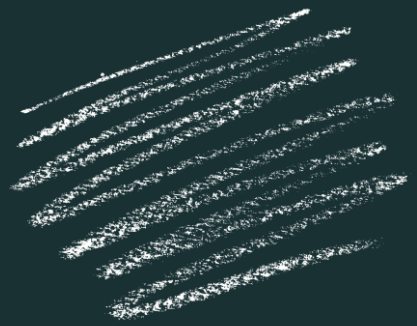
9 SDGs

SDG alignment.

Construction Sites

	6.3 - 1% of water treated
	9.4 - Reduction in energy use 9.4 - Reduction in electricity use
	13.3 - Reduction in absolute carbon emissions 13.3 - Donation to the Eden Project
	7.3 - Reduction in energy use 7.3 - Reduction in electricity use 7.2 - 75% of energy demand met by renewable energy
	11.6 - Measured carbon emissions 11.6 - Reduction in absolute carbon emissions 11.6 - 89% of waste recycled and composted 11.4 - Donation to the Eden Project
	14.3 - Reduction in absolute carbon emissions
	8.4 - Reduction in absolute carbon emissions
	12.6 - Measured carbon emissions 12.1 - Reduction in absolute carbon emissions 12.5 - 89% of waste recycled and composted
	15.5 - Reduction in absolute carbon emissions 15.2 - 100% of paper FSC/PEFC certified

5 ways to accelerate your sustainability journey.



1. Review our recommendations

Guidance for general best practice: See the Appendix of this report for recommendations to do with Data Collection & Quality, Building, Waste, Travel, Paper, Staff Engagement and Supplier Engagement.

2. Join our online community

Planet Mark online community platform: If you haven't already, invite your team to join our exclusive member-only community platform, where you can check out inspirational initiatives to implement in your own organisation and collaborate with other Planet Mark Members. Join here.

3. Use our toolkits & resources

Toolkits & Guides: Go to our Members Area on our website and make use of resources available to Planet Mark members.

4. Connect with us

Social media channels: We're active across social media and would love to help share your sustainability stories across our platform, just connect and tag us please!

5. Need more support?

We can help. We are here to support on your sustainability journey, no matter where you're at. If you're on a path to net zero, we have a suite of Net Zero Solutions to offer. If you want further stakeholder engagement support, browse our list of workshops here or just get in touch to discuss.

Data Report.

APPENDIX

Sources. Offices Sites

			Current						
			01 September 2021 to 31 August 2022		01 September 2022 to 31 August 2023				
Source	Scope	Unit	Amount	tCO_2e	Amount	tCO_2e	% Change in tCO_2e from previous year	% total carbon footprint	% Change in amounts from previous year
Buildings									
Electricity (location based)	2	kWh	1,134,259.0	219.3	1,111,848.2	230.2	5%	7%	-2%
Electricity (market based)	2	kWh	1,157,170.0	492.0	1,111,848.2	280.0	-43%	-	-4%
Natural Gas	1	kWh	140,069.0	25.6	366,618.9	67.1	162%	2%	162%
Transmission and Distribution Losses	3	kWh	1,157,170.0	20.5	1,086,343.0	19.5	-5%	1%	-6%
Procurement									
Freight HGV	3	km	126,291.0	112.5	198,898.5	173.4	54%	6%	57%
Freight Van	3	km	-	-	25,853.1	6.0	-	0.2%	-
Paper Primary Content	3	tonnes	27.1	24.9	11.4	10.4	-58%	0.3%	-58%
Travel									
Fleet Petrol Fuel	1	litres	260,157.7	562.4	221,473.6	464.5	-17%	15%	-15%
Fleet Hybrid Car	1	km	-	-	171,945.5	20.5	-	1%	-
Fleet Diesel Fuel	1	litres	201,002.2	514.1	107,236.2	269.4	-48%	9%	-47%
Fleet Average Car	1	km	-	-	27,284.8	4.5	-	0.1%	-
Fleet Electric Car	2	km	161,351.2	7.2	115,412.5	5.6	-22%	0.2%	-28%
Air Travel	3	passenger.km	62,552.0	7.8	36,008.5	4.6	-42%	0.1%	-42%
Hybrid Car	3	km	-	-	502,739.8	59.8	-	2%	-
Fleet Electric Car	3	km	161,351.2	0.7	115,412.5	0.5	-27%	0.02%	-28%
Ferry	3	passenger.km	389.5	0.01	39.9	0.01	-29%	0.01%	-90%
Electric Car	3	km	241,055.6	12.4	401,781.9	22.0	78%	1%	67%
Diesel Fuel	3	litres	104,630.9	267.6	106,949.4	268.7	0.4%	9%	2%
Commuting Walking	3	km	12,598.9	0	7,105.0	0	-	0.0%	-44%
Commuting Van	3	km	45,981.3	10.6	15,259.0	3.5	-67%	0.1%	-67%
Commuting Rail	3	passenger.km	875,703.8	30.9	1,319,023.1	46.3	50%	1%	51%
Commuting Petrol Car	3	km	2,717,345.2	463.3	3,471,071.3	568.9	23%	18%	28%
Commuting PHEV	3	km	196,707.8	18.4	417,428.1	39.2	113%	1%	112%
Commuting Motorbike	3	km	-	-	57,221.1	6.5	-	0.2%	-
Commuting Hybrid Car	3	km	196,707.8	23.6	-	-	-	-	-
Commuting Electric Car	3	km	38,624.3	2.0	142,938.4	7.8	295%	0.2%	270%
Commuting Diesel Car	3	km	3,987,016.4	681.1	3,381,539.3	574.3	-16%	18%	-15%
Commuting Bus	3	passenger.km	83,869.8	8.1	47,779.6	5.7	-30%	0.2%	-43%
Commuting Bike	3	km	16,553.3	0	-	-	-	-	-
Commuting Average Car	3	km	66,213.0	14.8	103,951.7	20.2	37%	1%	57%
Average Car	3	km	-	-	165,832.4	27.6	-	1%	-
Petrol Fuel	3	litres	133,176.0	287.9	90,388.9	189.6	-34%	6%	-32%
Rail Travel	3	passenger.km	652,085.6	23.1	652,855.2	23.2	0.2%	1%	0.1%

All rows and tables are rounded to one decimal place. This may lead to slight discrepancies in totals within the report.

Sources. Offices Sites

			Current						
			01 September 2021 to 31 August 2022		01 September 2022 to 31 August 2023				
Source	**Scope**	**Unit**	**Amount**	**tCO_2e**	**Amount**	**tCO_2e**	**% Change in tCO_2e from previous year**	**% total carbon footprint**	**% Change in amounts from previous year**
Waste									
Landfill	3	tonnes	9.5	4.4	-	-	-	-	-
Recycled	3	tonnes	32.0	0.7	21.9	0.5	-32%	0.01%	-32%
Water									
Water Supply	3	cubic metres	4,383.1	0.7	5,127.4	0.9	39%	0.03%	17%
Water Treatment	3	cubic metres	4,383.1	1.2	5,127.4	1.0	-13%	0.03%	17%
			Location Based						
Total		**tCO_2e**		**3,345.8**		**3,141.9**	**-6%**		
No. employees		Number		804		779.5			
Total per employee		**tCO_2e**		**4.2**		**4.0**	**-3%**		
Turnover £m		£m		0		12,000.0			
Total per £m		**tCO_2e**		**0**		**0.3**	**0%**		
Total floor space		m^2		14,728.0		18,373.0			
Building emissions per m^2		**tCO_2e**		**0.02**		**0.02**	**-4%**		
			Market Based						
Total		**tCO_2e**		**3,618.4**		**3,191.7**	**-12%**		
No. employees		Number		804		779.5			
Total per employee		**tCO_2e**		**4.5**		**4.1**	**-9%**		
Turnover £m		£m		0		12,000.0			
Total per £m		**tCO_2e**		**0**		**0.3**	**0%**		
Total floor space		m^2		14,728.0		18,373.0			
Building emissions per m^2		**tCO_2e**		**0.04**		**0.02**	**-45%**		

All rows and tables are rounded to one decimal place. This may lead to slight discrepancies in totals within the report.

Sources. Construction Sites

			Current						
			01 September 2021 to 31 August 2022		01 September 2022 to 31 August 2023				
Source	**Scope**	**Unit**	**Amount**	**tCO_2e**	**Amount**	**tCO_2e**	**% Change in tCO_2e from previous year**	**% total carbon footprint**	**% Change in amounts from previous year**
Buildings									
Biodiesel HVO	1	litres	38,333.0	1.4	181,810.0	6.5	374%	0.1%	374%
Diesel Fuel	1	litres	2,261,336.7	6,102.9	1,928,695.0	5,129.1	-16%	68%	-15%
Electricity (location based)	2	kWh	4,159,572.0	804.4	3,107,156.6	643.4	-20%	9%	-25%
Electricity (market based)	2	kWh	4,159,572.0	1,450.5	3,107,156.6	0	-100%	-	-25%
Gas Oil	1	litres	121,976.0	336.5	-	-	-	-	-
LPG	1	tonnes	-	-	7.4	21.7	-	0.3%	-
Natural Gas	1	kWh	1,557,632.7	284.3	48,907.2	8.9	-97%	0.1%	-97%
Transmission and Distribution Losses	3	kWh	4,159,572.0	73.6	3,107,156.6	55.7	-24%	1%	-25%
Procurement									
Paper Primary Content	3	tonnes	-	-	15.8	14.4	-	0.2%	-
Waste									
Energy from Waste	3	tonnes	-	-	452.9	9.6	-	0.1%	-
Landfill	3	tonnes	17,073.5	21.1	40,425.1	789.0	3646%	10%	137%
Recycled	3	tonnes	97,538.1	96.1	330,590.0	325.6	239%	4%	239%
Water									
Water Supply	3	cubic metres	55,282.2	8.2	3,008,006.3	531.5	6352%	7%	5341%
Water Treatment	3	cubic metres	55,282.2	15.0	21,312.0	4.3	-71%	0.1%	-61%
			Location Based						
Total		**tCO_2e**		**7,743.4**		**7,539.7**	**-3%**		
No. employees		Number		804		779.5			
Total per employee		**tCO_2e**		**9.6**		**9.7**	**0.4%**		
Turnover £m		£m		0		12,000.0			
Total per £m		**tCO_2e**		**0**		**0.6**	**0%**		
Total floor space		m^2		14,728.0		18,373.0			
Building emissions per m^2		**tCO_2e**		**0.5**		**0.3**	**-38%**		
			Market Based						
Total		**tCO_2e**		**8,389.6**		**6,896.3**	**-18%**		
No. employees		Number		804		779.5			
Total per employee		**tCO_2e**		**10.4**		**8.8**	**-15%**		
Turnover £m		£m		0		12,000.0			
Total per £m		**tCO_2e**		**0**		**0.6**	**0%**		
Total floor space		m^2		14,728.0		18,373.0			
Building emissions per m^2		**tCO_2e**		**0.6**		**0.3**	**-49%**		

 All rows and tables are rounded to one decimal place. This may lead to slight discrepancies in totals within the report.

About this report – General. Office Sites

Company Name	Bowmer + Kirkland – Office Sites
Sector	Construction
Reporting Period	01 September 2022 to 31 August 2023
Year Of Certification	16th
Reporting Boundary	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Emission sources included	Electricity, T&D Losses, On-Site Renewables, Natural Gas, Water, Fleet, Business Travel, Waste, Paper, Commuting, Diesel, HVO, Homeworking (not included in total footprint)
Total FTE Employees (annual average no.)	780
Total Internal Floorspace (m^2)	18,373
Data Collection Lead	Daniel Birkinshaw, daniel.birkinshaw@bandk.co.uk - Sustainability Manager
Significant reporting changes	Due to the nature of construction work, some sites closed, and some opened during the reporting period. BKBS has ceased trading from 2023 onwards and asset is just empty.
Baseline Conversion Factor	BEIS 2022
Current Conversion Factor	DESNZ 2023
Methodology	We follow the GHG Protocol for Corporate Emission Reporting. Refer to Planet Mark Business Certification Scheme Rules for detailed information on the methodology and standards used in the preparation of this report.
Community Project	Contributions to the Eden Project have been made as part of Planet Mark Certification.
Prepared by	Ashley Whichelow, Sustainability Consulting Manager, Planet Mark
Checked by	Jamie Beevor, Head of Technical, Planet Mark Alex Smith, Sustainability Consultant, Planet Mark Emily Reed, Operations Coordinator, Planet Mark
Date	04 January 2024

About this report – General. Construction Sites

Company Name	Bowmer + Kirkland – Construction Sites
Sector	Construction
Reporting Period	01 September 2022 to 31 August 2023
Year Of Certification	16th
Reporting Boundary	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Emission sources included	Electricity, T&D Losses, On-Site Renewables, Natural Gas, Water, Fleet, Business Travel, Waste, Paper, Commuting, Diesel, HVO, Homeworking (not included in total footprint)
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Date	04 January 2024

About this report – Caveats (i). Office Sites

Operational Boundary	Scope	Unit	Data Source	Data Accuracy	Comments, omissions, estimates or extrapolations	Organisational Boundary
Electricity	2 and 3	kWh	Primary source - report	Actual	Electricity consumption has been adjusted to reflect the evidence provided. It has been assumed that the electricity consumption withing the evidence covers the reporting period and not the project period. Your electricity consumption is shown in the carbon footprint as Purchased Electricity emissions (Scope 2 emissions) and Electricity Transmission and Distribution losses (Scope 3 emissions).	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Electricity	2 and 3	kWh	Primary source - report	Actual	Your scope 2 electricity emissions are reported in two ways: location-based and market-based methods. Location-based electricity emissions have been calculated using carbon emission factors for average national or sub-national grid electricity. Market-based electricity emissions have been calculated using carbon emission factors for your specific electricity supply fuel mix as published on your supplier's website for electricity supplied in the period April 2021 to March 2022 or residual fuel mix 2021/22 (as no information on your specific supplier fuel mix was available). The market-based emissions on the Construction Sites has been caculated based on 100% renewable tariffs, as well as the NES Region - Rainton Bridge site. For the Heage it has been based on TotalEnergies fuel mix. For the remaining sites, it has been considered a Residual Mix.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Note: unless otherwise stated in the report all electricity emissions are location based (i.e. calculated using carbon emission factors for average UK national grid electricity).
Do let us know if your electricity is from 100% renewable energy and we will provide dual reporting to show both market based and location based electricity emissions.

About this report – Caveats (ii). Office Sites

Operational Boundary	Scope	Unit	Data Source	Data Accuracy	Comments, omissions, estimates or extrapolations	Organisational Boundary
On-Site Renewables	2	kWh	Primary source - meter readings	Actual and estimated meter reads with interpolation	On-site renewables consumption is included within Electricity in the report. 0% of generation is exported. Feed-in-Tariff is received and no evidence of retired REGOs was provided. The grid average emission factor has been applied to location-based and the residual mix for market-based. The amount (kWh) has been interpolated to match the reporting period. Please refer to the adjusted data slide(s) for details of interpolation.	Heage HQ & (EM-NM-WM)
Natural Gas	1	kwh	s - bank house, high edge court, lace market studios and fusion students	Actual meter reads	Gas consumption has been adjusted to reflect the evidence provided. It has been assumed that the electricity consumption withing the evidence covers the reporting period and not the project period. The figures disclosed on the evidence have been added under this source. NW Regional Office - Atlas House, Site Services, Key Property Solutions, BKBS, and, Glasgow have no natural gas supply.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Building Fuel	1	litres	Primary source - report	Actual	All sub-contractor fuel has been removed by Bowmer+Kirkland, it has been assumed this is correct. Only Diesel and HVO have been purchased during the reporting period and only for construction sites.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Note: unless otherwise stated in the report all electricity emissions are location based (i.e. calculated using carbon emission factors for average UK national grid electricity).
Do let us know if your electricity is from 100% renewable energy and we will provide dual reporting to show both market based and location based electricity emissions.

About this report – Caveats (iii). Office Sites

Operational Boundary	Scope	Unit	Data Source	Data Accuracy	Comments, omissions, estimates or extrapolations	Organisational Boundary
Water Supply & Treatment	3	m^3	Primary source - report	Actual	Water consumption has been adjusted to reflect the evidence provided. It has been assumed that the water consumption withing the evidence covers the reporting period and not the project period. The water supply figures came from the 'Water report' evidence file. The water treatment amount of the offices have been assumed the same as water supplied. In case of Construction sites, the figures disclosed on the evidence under the 'Total water discharged (m3)' have been added as water treatment.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Homeworking Energy	3	kWh	Secondary sources - Planet Mark homeworking energy calculation tool and data submission	Estimated	UK homeworking energy includes additional electricity and gas consumption as a result of each full-time equivalent employee working from home. We base our estimate of energy consumption due to homeworking on the new BEIS 2022 homeworking emission factors. The annualised BEIS emission factors have been converted into monthly estimates of energy consumption in order to better account for seasonal variations. Our estimates are based on a 40h working week and a 6-month heating season (October to March) and take into account annual leave. Where the business has a physical office, homeworking utility emissions are calculated but not included in the Total Carbon Footprint figure.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Fleet Vehicles	1, 2 and 3	km and litres	Primary source - fuel report	Actual	It includes litres of Diesel and Petrol and mileage for Electric, Hybrid and Unknown Fuel vehicles. It has been assumed 50% of the electric vehicles were charged on-site as per the previous analysis.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Note: unless otherwise stated in the report all electricity emissions are location based (i.e. calculated using carbon emission factors for average UK national grid electricity).
Do let us know if your electricity is from 100% renewable energy and we will provide dual reporting to show both market based and location based electricity emissions.

About this report – Caveats (iv). Office Sites

Operational Boundary	Scope	Unit	Data Source	Data Accuracy	Comments, omissions, estimates or extrapolations	Organisational Boundary
Private Vehicles Used for Business	3	km	Primary source - mileage report	Actual	Mileage data has been used over fuel data due to fuel consumption data not being available for all vehicles, except for Petrol and Diesel vehicles where litres have been used in the calculations. The average car emissions factor has been used where fuel type has not been stated.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Air Travel	3	pkm	Primary source - travel report	Actual	Actual distances have been provided by Bowmer+Kirkland, it has been assumed these have been provided by the booking company and these are all correct. All 'Hybrids' and sites outside of the scope of this report have been excluded.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Rail Travel	3	pkm	Primary source - travel report	Actual	Actual distances have been provided by Bowmer+Kirkland, it has been assumed these have been provided by the booking company and these are all correct. All 'Hybrids' and sites outside of the scope of this report have been excluded.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Note: unless otherwise stated in the report all electricity emissions are location based (i.e. calculated using carbon emission factors for average UK national grid electricity).
Do let us know if your electricity is from 100% renewable energy and we will provide dual reporting to show both market based and location based electricity emissions.

About this report – Caveats (v). Office Sites

Operational Boundary	Scope	Unit	Data Source	Data Accuracy	Comments, omissions, estimates or extrapolations	Organisational Boundary
Ferry Travel	3	pkm	Secondary sources - data submission and report	Actual	Only one ferry journey has been taken during the reporting period, distance has been found here https://www.directferries.co.uk/cowes_southampton_ferry.htm.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Waste	3	tonnes	Primary source - report	Actual	Actual waste weights and disposal routes have been provided, and it has been assumed the division between sites and material type identified are correct.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Procurement - Paper	3	tonnes	Secondary sources - data submission and report	Actual	Bowmer+Kirkland have provided actual paper weights, it has been assumed all paper is sustainably sourced and all weights provided by the member are correct even where this information cannot be seen within the evidence provided.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Note: unless otherwise stated in the report all electricity emissions are location based (i.e. calculated using carbon emission factors for average UK national grid electricity).
Do let us know if your electricity is from 100% renewable energy and we will provide dual reporting to show both market based and location based electricity emissions.

About this report – Caveats (vi). Office Sites

Operational Boundary	Scope	Unit	Data Source	Data Accuracy	Comments, omissions, estimates or extrapolations, omissions, estimates or extrapolations	Organisational Boundary
Procurement - Freight	3	km	Primary source - report	Actual	Bowmer+Kirkland have provided actual distances of lorries and vans.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Commuting	3	km and pkm	Secondary sources - data submission and report	Actual	The survey answers covered 81% of the headcount that didn't have company cars, therefore it has been extrapolated. The commuting calculations exclude the data from employees who had a company car, once it has been assumed these emissions are already accounted for in the fleet section.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Headcount		no.	Primary source - email from HR	Actual	We have used the annual average full-time equivalent employees. Part-time employees are assumed to work 20 hours a week. We assume headcount only includes active employees (i.e. excludes employees on furlough).	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Note: unless otherwise stated in the report all electricity emissions are location based (i.e. calculated using carbon emission factors for average UK national grid electricity).
Do let us know if your electricity is from 100% renewable energy and we will provide dual reporting to show both market based and location based electricity emissions.

About this report – Caveats (vii). Office Sites

Operational Boundary	Scope	Unit	Data Source	Data Accuracy	Comments, omissions, estimates or extrapolations, omissions, estimates or extrapolations	Organisational Boundary
Turnover		£m	Secondary source - data submission form	Assumed Actual	None	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Restatement					Last year's carbon footprint has been restated to adjust Commuting emissions.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Note: unless otherwise stated in the report all electricity emissions are location based (i.e. calculated using carbon emission factors for average UK national grid electricity).
Do let us know if your electricity is from 100% renewable energy and we will provide dual reporting to show both market based and location based electricity emissions.

About this report – Caveats (i). Construction Sites

Operational Boundary	Scope	Unit	Data Source	Data Accuracy	Comments, omissions, estimates or extrapolations	Organisational Boundary
Electricity	2 and 3	kWh	Primary source - report	Actual	Electricity consumption has been adjusted to reflect the evidence provided. It has been assumed that the electricity consumption withing the evidence covers the reporting period and not the project period. Your electricity consumption is shown in the carbon footprint as Purchased Electricity emissions (Scope 2 emissions) and Electricity Transmission and Distribution losses (Scope 3 emissions).	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Electricity	2 and 3	kWh	Primary source - report	Actual	Your scope 2 electricity emissions are reported in two ways: location-based and market-based methods. Location-based electricity emissions have been calculated using carbon emission factors for average national or sub-national grid electricity. Market-based electricity emissions have been calculated using carbon emission factors for your specific electricity supply fuel mix as published on your supplier's website for electricity supplied in the period April 2021 to March 2022 or residual fuel mix 2021/22 (as no information on your specific supplier fuel mix was available). The market-based emissions on the Construction Sites has been caculated based on 100% renewable tariffs, as well as the NES Region - Rainton Bridge site. For the Heage it has been based on TotalEnergies fuel mix. For the remaining sites, it has been considered a Residual Mix.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Note: unless otherwise stated in the report all electricity emissions are location based (i.e. calculated using carbon emission factors for average UK national grid electricity).
Do let us know if your electricity is from 100% renewable energy and we will provide dual reporting to show both market based and location based electricity emissions.

About this report – Caveats (ii). Construction Sites

Operational Boundary	Scope	Unit	Data Source	Data Accuracy	Comments, omissions, estimates or extrapolations	Organisational Boundary
Natural Gas	1	kwh	s - bank house, high edge court, lace market studios and fusion students	Actual meter reads	Gas consumption has been adjusted to reflect the evidence provided. It has been assumed that the electricity consumption withing the evidence covers the reporting period and not the project period. The figures disclosed on the evidence have been added under this source. NW Regional Office - Atlas House, Site Services, Key Property Solutions, BKBS, and, Glasgow have no natural gas supply.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
On-site Fuels	1	litres	Primary source - report	Actual	All sub-contractor fuel has been removed by Bowmer+Kirkland, it has been assumed this is correct. Only Diesel and HVO have been purchased during the reporting period and only for construction sites.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Note: unless otherwise stated in the report all electricity emissions are location based (i.e. calculated using carbon emission factors for average UK national grid electricity).
Do let us know if your electricity is from 100% renewable energy and we will provide dual reporting to show both market based and location based electricity emissions.

About this report – Caveats (iii). Construction Sites

Operational Boundary	Scope	Unit	Data Source	Data Accuracy	Comments, omissions, estimates or extrapolations	Organisational Boundary
Water Supply & Treatment	3	m^3	Primary source - report	Actual	Water consumption has been adjusted to reflect the evidence provided. It has been assumed that the water consumption withing the evidence covers the reporting period and not the project period. The water supply figures came from the 'Water report' evidence file. The water treatment amount of the offices have been assumed the same as water supplied. In case of Construction sites, the figures disclosed on the evidence under the 'Total water discharged (m3)' have been added as water treatment.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Homeworking Energy	3	kWh	Secondary sources - Planet Mark homeworking energy calculation tool and data submission	Estimated	UK homeworking energy includes additional electricity and gas consumption as a result of each full-time equivalent employee working from home. We base our estimate of energy consumption due to homeworking on the new BEIS 2022 homeworking emission factors. The annualised BEIS emission factors have been converted into monthly estimates of energy consumption in order to better account for seasonal variations. Our estimates are based on a 40h working week and a 6-month heating season (October to March) and take into account annual leave. Where the business has a physical office, homeworking utility emissions are calculated but not included in the Total Carbon Footprint figure.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Fleet Vehicles	1, 2 and 3	km and litres	Primary source - fuel report	Actual	It includes the Vans fuel, company cars mileage and litres. It has been assumed 50% of the electric vehicles were charged on site as per the previous analysis.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Note: unless otherwise stated in the report all electricity emissions are location based (i.e. calculated using carbon emission factors for average UK national grid electricity).
Do let us know if your electricity is from 100% renewable energy and we will provide dual reporting to show both market based and location based electricity emissions.

About this report – Caveats (iv). Construction Sites

Operational Boundary	Scope	Unit	Data Source	Data Accuracy	Comments, omissions, estimates or extrapolations	Organisational Boundary
Private Vehicles Used for Business	3	km	Primary source - mileage report	Actual	Mileage data has been used over fuel data due to fuel consumption data not being available for all vehicles. The average car emissions factor has been used where fuel type has not been stated.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Air Travel	3	pkm	Primary source - travel report	Actual	Actual distances have been provided by Bowmer+Kirkland, it has been assumed these have been provided by the booking company and these are all correct. All 'Hybrids' and sites outside of the scope of this report have been excluded.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Rail Travel	3	pkm	Primary source - travel report	Actual	Actual distances have been provided by Bowmer+Kirkland, it has been assumed these have been provided by the booking company and these are all correct. All 'Hybrids' and sites outside of the scope of this report have been excluded.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Note: unless otherwise stated in the report all electricity emissions are location based (i.e. calculated using carbon emission factors for average UK national grid electricity).
Do let us know if your electricity is from 100% renewable energy and we will provide dual reporting to show both market based and location based electricity emissions.

About this report – Caveats (v). Construction Sites

Operational Boundary	Scope	Unit	Data Source	Data Accuracy	Comments, omissions, estimates or extrapolations	Organisational Boundary
Ferry Travel	3	pkm	Secondary sources - data submission and report	Actual	Only one ferry journey has been taken during the reporting period, distance has been found here https://www.directferries.co.uk/cowes_southampton_ferry.htm.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Waste	3	tonnes	Primary source - report	Actual	Actual waste weights and disposal routes have been provided, and it has been assumed the division between sites and material type identified are correct.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Procurement - Paper	3	tonnes	Secondary sources - data submission and report	Actual	Bowmer+Kirkland have provided actual paper weights, it has been assumed all paper is sustainably sourced and all weights provided by the member are correct even where this information cannot be seen within the evidence provided.	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Note: unless otherwise stated in the report all electricity emissions are location based (i.e. calculated using carbon emission factors for average UK national grid electricity).
Do let us know if your electricity is from 100% renewable energy and we will provide dual reporting to show both market based and location based electricity emissions.

About this report – Caveats (vi). Construction Sites

Operational Boundary	Scope	Unit	Data Source	Data Accuracy	Comments, omissions, estimates or extrapolations, omissions, estimates or extrapolations	Organisational Boundary
Headcount		no.	Primary source - email from HR	Actual	We have used the annual average full-time equivalent employees. Part-time employees are assumed to work 20 hours a week. We assume headcount only includes active employees (i.e. excludes employees on furlough).	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow
Turnover		£m	Secondary source - data submission form	Assumed Actual	None	Heage HQ & (EM-NM-WM), NES Region - Rainton Bridge, NW Regional Office - Atlas House, Southern Region - Arlington House, Construction Sites, Site Services, Key Property Solutions, BKBS and Glasgow

Note: unless otherwise stated in the report all electricity emissions are location based (i.e. calculated using carbon emission factors for average UK national grid electricity).
Do let us know if your electricity is from 100% renewable energy and we will provide dual reporting to show both market based and location based electricity emissions.

About this report. Data Quality.

Data quality score

The data quality score is based on the ‘Data Quality Matrix’ in the Planet Mark Business Certification Scheme Rules and provides an indication of data assurance when using information in this report in your business.

	01 September 2021 to 31 August 2022	01 September 2022 to 31 August 2023	Definition
Relevance of boundary	3	3	Boundary accurately reflects the majority of the business carbon footprint for the studied period.(eg at least 75% of organisational activity included)
Data completeness	3	3	12 months of data provided for most sources.
Transparency	3	3	Majority disclosure of assumptions and/or some original evidence provided.
Data accuracy	3	3	Some use of primary data sources and minimal estimated data.
Consistency	3	3	Largely consistent or improved methods, boundary and data completeness with supporting evidence of changes made.
Total score	**15 out of 20**	**15 out of 20**	

As a way to improve your data quality score for future reports, it is recommended:

- To label sites consistently across all evidence and spreadsheets, giving each site a unique code to help with identification.
- To ensure all assumptions or intricacies in the data are noted and included as a part of the submission process

About this report – Caveats – Adjusted Data (i). Office Sites

Notes: Data for the periods shown below has been interpolated or extrapolated as indicated in the table.

Emission Source	Scope	Site	Data Source	Data Accuracy	Date From	Date To	No. of Days	Adjusted Date From	Adjusted Date To	Adjusted No. of Days	Comment
On-Site Renewables	2	Heage HQ & (EM-NM-WM)	Meter Readings	Actual and estimated meter reads	22-06-2022	31-08-2023	436	01-09-2022	31-08-2023	365	Interpolation

Recommendations.

APPENDIX

Guidance for general best practice.

Data collection and quality

Evidence pack: Collate all relevant invoices in an electronic evidence pack.

Utilities: Take readings of all meters on the last day of the month. Investigate the installation of smart meters.

Headcount: Ask HR for a table showing monthly full time equivalent headcount for the whole reporting period.

Fuel: Introduce fuel cards.

Travel: Ask your travel suppliers to provide you with a report detailing mileage and mode of transport so you can accurately add data to your carbon footprint. For non centrally booked travel record mode of travel, destination/origin and distances travelled in expense claim forms.

Building

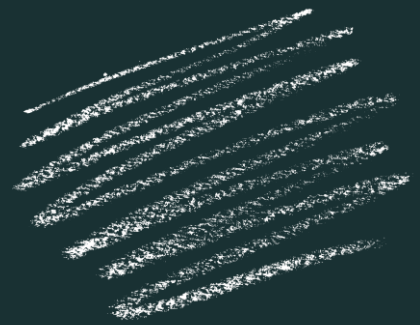
Energy efficiency: Regular ‘energy audits’ will help identify where most energy is being used and potential wastage from equipment, lights and heat loss. Investigate the installation of LED, T5 and sensor lighting and the upgrade of heating controls.

Waste

Carry out a waste management audit: To understand what waste you are producing, where it is coming from and what the best route for it would be. Provide plenty of bins for segregating waste correctly and encouraging recycling.

Engage your waste management supplier to help you reduce landfill waste and instead increase the proportion that goes to recycling and to energy from waste.

Guidance for general best practice.



Water

Check your meters at night, or when water is not in use, to monitor leakage.

Introduce a water use awareness campaign in communal kitchen areas.

Travel

Record all business travel and promote public transport options for business meetings.

Arrange safe and fuel efficient driving training for all drivers. Plan driver routes to finish at their homes.

Choose fuel efficient vehicles. Electric or hybrid cars are exempt from various taxes. Subsidies are also available for smallest vehicles. Provide incentives for employees to opt for low carbon cars, and limit choices to those which meet sustainability criteria

Choose travel management companies, airlines, taxi companies, couriers and other providers that are Planet Mark certified, and look for clear progress on improving fuel efficiency and pursuing credible, sustainable solutions for travel.

Paper

Buy paper from sustainable forests or recycled content. Ask for FSC or PEFC branded paper as a minimum - ideally with the EU Eco label.

Choosing recycled content paper, your carbon emissions from paper use are reduced by 30% but choosing sustainably sourced paper the benefits are more holistic as you support the demand for sustainably managed forests which may otherwise be cut down for a different land use such as agriculture.

Guidance for general best practice.

Staff engagement

Organise annual sustainability workshops. Carry out an energy awareness and ‘switch off’ campaign.

Supplier engagement

Explore your possibilities and choose consciously. Check the Planet Mark website for companies that are currently engaged on reducing their carbon footprint.

THANK YOU

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