

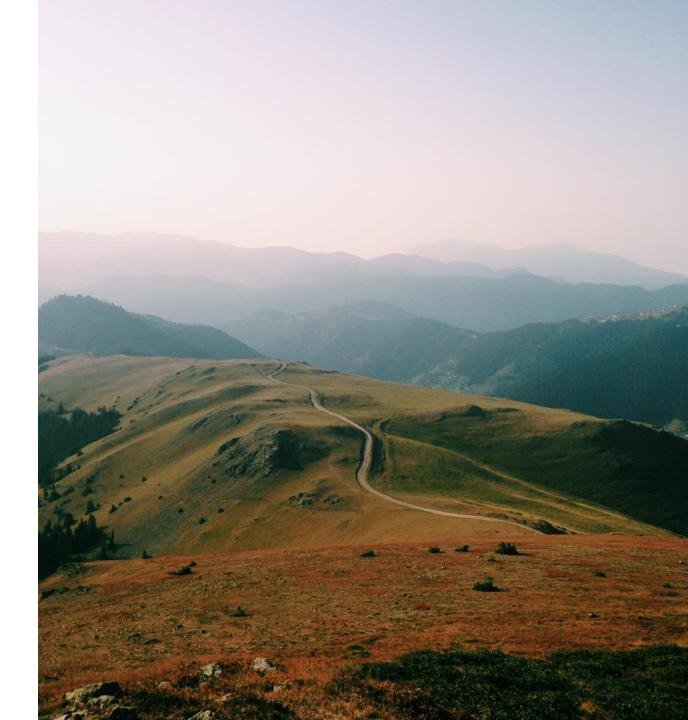
Business Certification

Bowmer & Kirkland

YEAR 14

1 September 2020 – 31 August 2021







Total carbon EMISSIONS





Step one. MEASURE





Total carbon footprint.



Reporting year: 1 September 2020 – 31 August 2021

Reporting Boundary:

Head office (High Edge Court, Heage, Belper, Derbyshire, DE56 2BW), six regional offices in Chester-le-Street, Rainton Bridge, Glasgow, Manchester, Reading and Derby. Construction sites in East Midlands, Northeast, North Midlands, Northwest, South and West Midlands

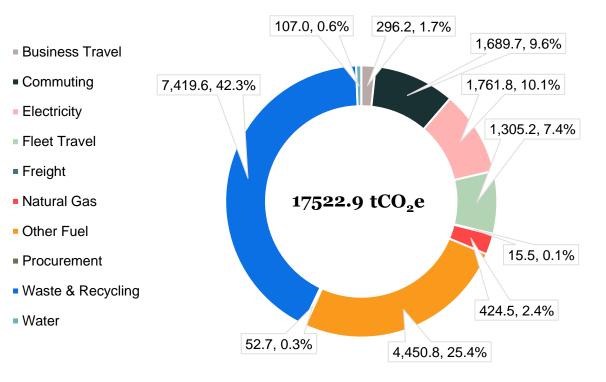
Emissions measured:

Electricity, T&D Losses, Natural Gas, Red Diesel, Water, Waste, Fleet, Business Travel, Paper, Freight, Commuting

Highlights:

Carbon footprint (tCO_2e) :**17,522.9**Per employee (tCO_2e) :**19.9**Next reduction target:**5%**Data quality score:**14 out of 20**

Carbon footprint by emission source for year ending 2021, tCO₂e

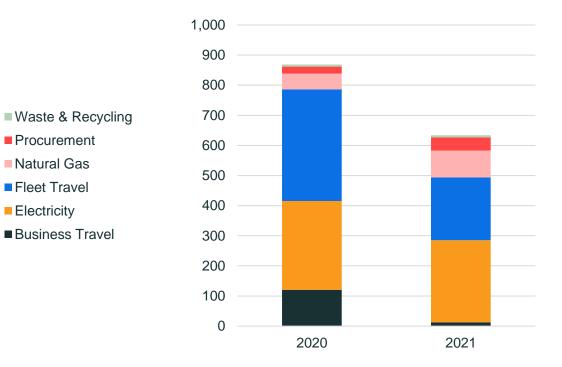




Total carbon footprint. Yearly COMPARISON

Source Category	2020	2021
Business Travel	120.7	12.6
Commuting	-	-
Electricity	294.5	272.8
Fleet Travel	370.9	208.0
Freight	-	-
Natural Gas	52.5	89.3
Other Fuel	-	-
Procurement	23.1	44.2
Waste & Recycling	7.1	7.0
Water	_	-
Total	868.8	633.9

Carbon footprint by emission source for year ending 2020 and 2021, tCO2e



Year on year comparisons have been normalised to exclude red diesel, water supply and treatment, ferry travel, commuting, freight data and all construction site data as these sources and locations were reportioned for the first time in 2021.

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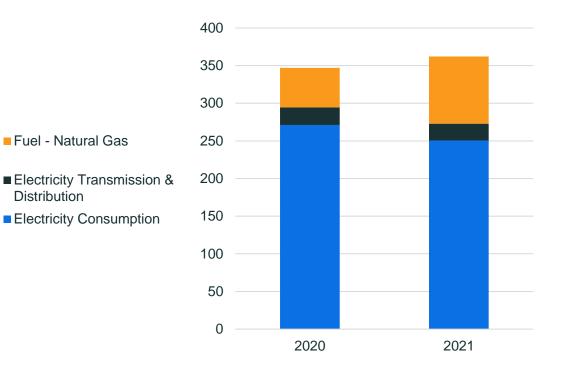
Carbon footprint.

Notes:

- Building emissions increased by 4% compared to YE2020
- Electricity consumption accounted for the greatest proportion of building emissions

Buildings	2020	2021
Electricity Consumption	271.2	250.6
Electricity Transmission & Distribution	23.3	22.2
Fuel - Gas Oil	-	-
Fuel - Natural Gas	52.5	89.3
Total	347.0	362.1

Building emissions for year ending 2020 and 2021, tCO₂e



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

Year on year comparisons have been normalised to exclude red diesel and construction sites electricity consumption and transmission & distribution losses as these sources and locations were reported on for the first time in 2021.



Carbon footprint. Business TRAVEL

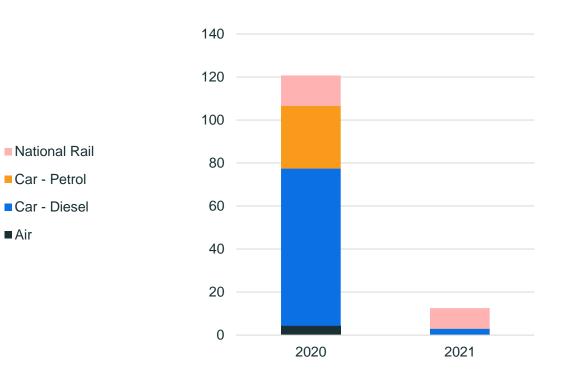
Notes:

- Business travel emissions decreased by 90% compared to YE2020
- Travel by petrol car accounted for the greatest proportion of travel emissions

Business Travel	2020	2021	
Air	4.3	-	
Car - Diesel	73.1	3.0	
Car - Petrol	29.1	0.1	
Ferry	-	-	
National Rail	14.2	9.5	
Total	120.7	12.6	

Business travel emissions for year ending 2020 and 2021, tCO2e

■ Air



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

Year on year comparisons have been normalised to exclude ferry travel as this source was reported for the first time in 2021, and to exclude construction site business travel as these locations were reported for the first time in 2021.



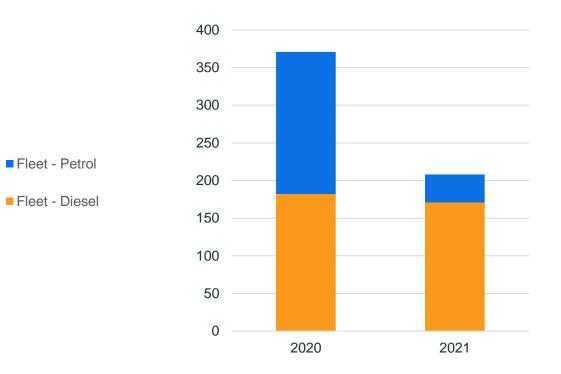
Carbon footprint. Fleet TRAVEL

Notes:

- Fleet emissions decreased by 43% compared to YE2020
- The diesel fleet vehicles accounted for the greatest proportion of fleet
 emissions

Fleet Travel	2020	2021	
Fleet - Car Hybrid	-	-	
Fleet - Diesel	182.1	170.8	
Fleet - Petrol	188.8	37.2	
Total	370.9	213.0	

Fleet travel emissions for year ending 2020 and 2021, tCO₂e



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Year on year comparisons have been normalised to exclude construction site fleet travel as these locations were reported for the first time in 2021.



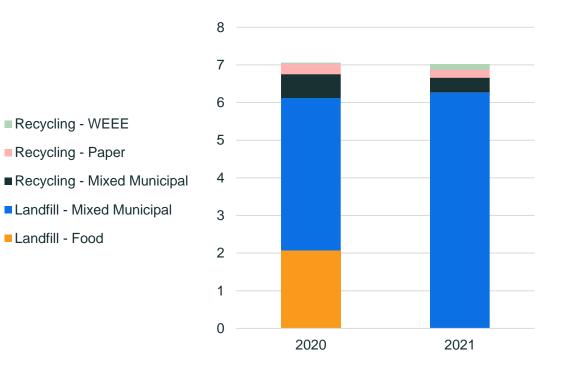
Carbon footprint. WASTE Notes:

- Waste emissions decreased by 1% compared to YE2020
- General waste to landfill accounted for the greatest proportion of waste
 emissions

Waste & Recycling	2020	2021
Landfill - Food	2.1	-
Landfill - Mixed Municipal	4.1	6.3
Recycling - Construction	-	-
Recycling - Mixed Municipal	0.6	0.4
Recycling - Paper	0.3	0.2
Recycling - WEEE	0.04	0.2
Total	7.1	7.0

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

Waste emissions for year ending 2020 and 2021, tCO2e



Year on year comparisons have been normalised to exclude construction site waste as this source and locations were reported for the first time in 2021.

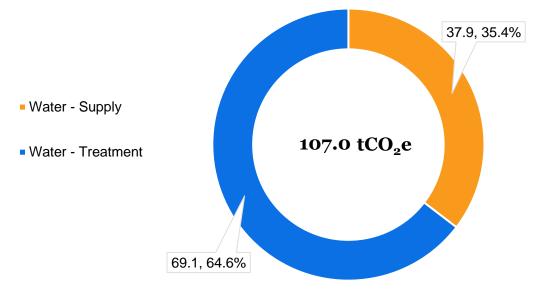
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Carbon footprint. WATER

Water emissions for year ending 2021 tCO₂e

Water	tCO ₂ e	%
Water – Supply	37.9	35.4%
Water – Treatment	69.1	64.6%
Total	107.0	100.0%



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Carbon footprint. PROCUREMENT

Notes:

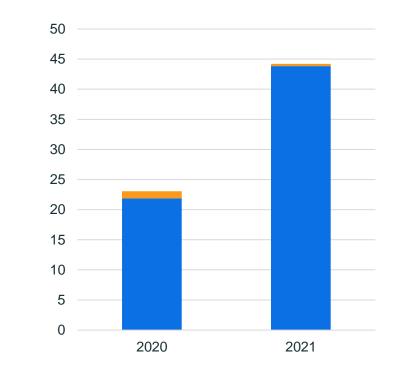
 Primary source paper accounted for the greatest proportion of procurement emissions

Procurement	2020	2021
Paper - Primary	21.9	43.8
Paper - Recycled	1.2	0.4
Total	23.1	44.2

Procurement emissions for year ending 2020 and 2021 tCO₂e

Paper - Recycled

Paper - Primary



Year on year comparisons have been normalised to exclude construction site paper procurement as this source and locations were reported for the first time in 2021.

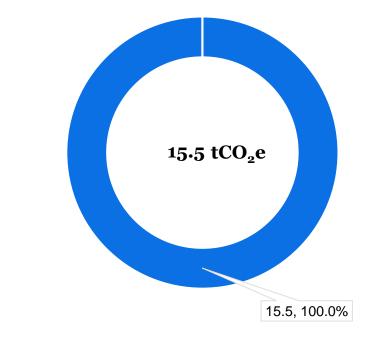


Carbon footprint. Courier FREIGHT

Courier freight emissions for year ending 2021, tCO₂e

Freight - HGV

Freight	tCO ₂ e	%
Freight – HGV	15.5	100.0%
Total	15.5	100.0%



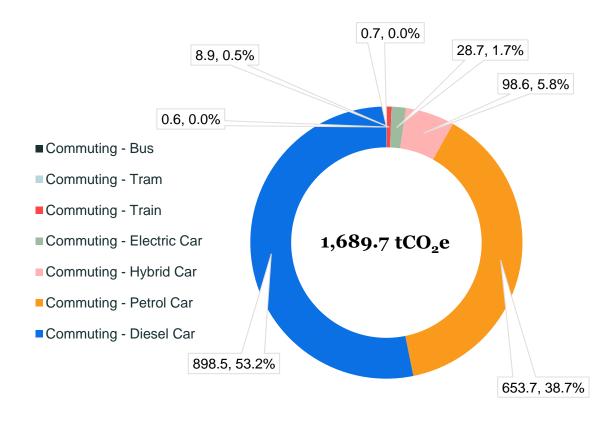
All rows and tables are rounded to one decimal place. This may lead to slight discrepancies in totals within the report. A year on year comparisons is not available for this emission source as this is the first time his information has been reported on.



Carbon footprint. COMMUTMG

Commuting	tCO ₂ e	%	
Commuting – Bus	0.7	0.04%	
Commuting – Tram	0.6	0.04%	
Commuting – Train	8.9	0.5%	
Commuting - Electric Car	28.7	1.7%	
Commuting - Hybrid Car	98.6	5.8%	
Commuting - Petrol Car	653.7	38.7%	
Commuting - Diesel Car	898.5	53.2%	
Total	1,689.7	100.0%	

Commuting emissions for year ending 2020 and 2021, tCO2e



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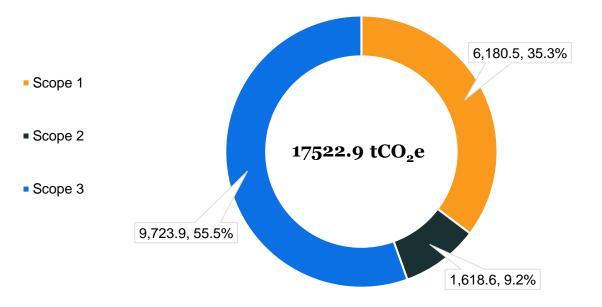
Total carbon footprint. BY SCOPE

Notes:

Scope 3 accounted for the greatest proportion of the total carbon footprint

Scope	tCO ₂ e	%
Scope 1	6,180.5	35.3%
Scope 2	1,618.6	9.2%
Scope 3	9,723.9	55.5%
Total	17,522.9	100.0%

Total carbon emissions by Scope for year ending 2021, tCO₂e



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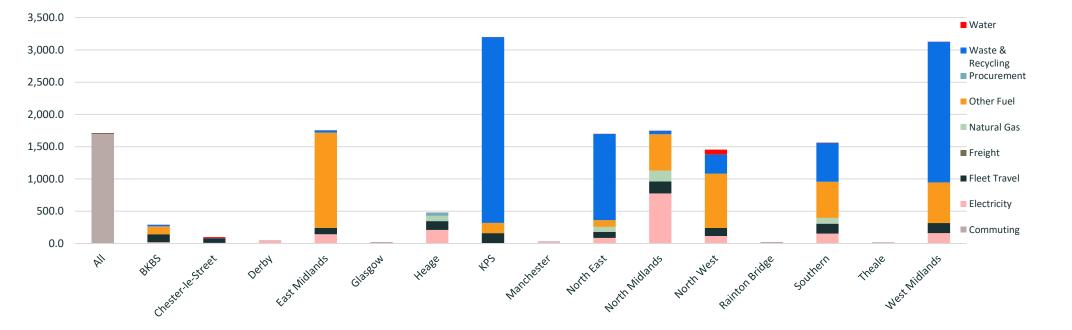
Carbon footprint. BY LOCATION

Carbon footprint for each location



Note:

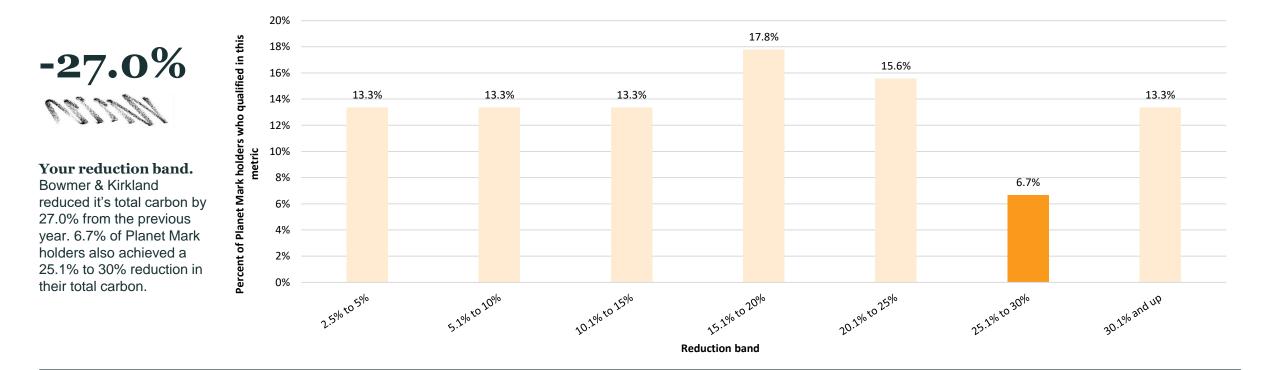
All includes commuting, since the data submitted was cumulative for the whole business (i.e. not split between locations)





Benchmarking Percentage reduction.

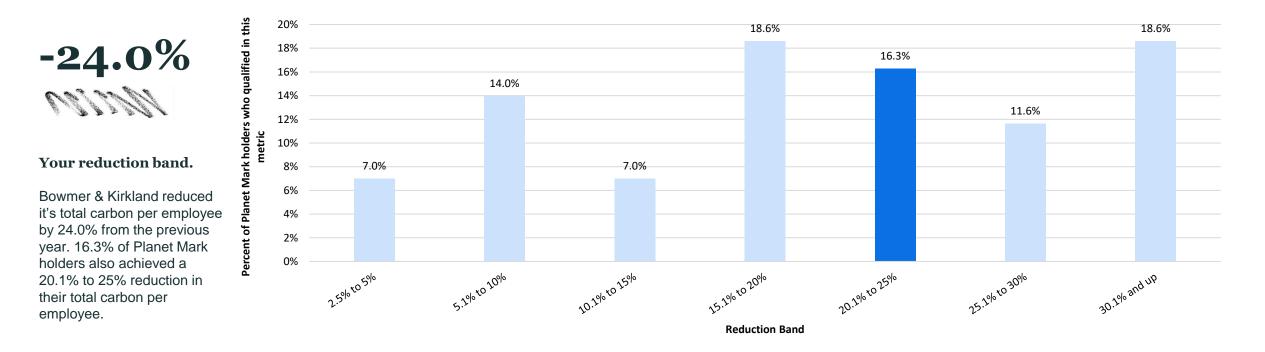
% reduction in total carbon by holders of the Planet Mark (Year 2020)





Benchmarking Percentage reduction.

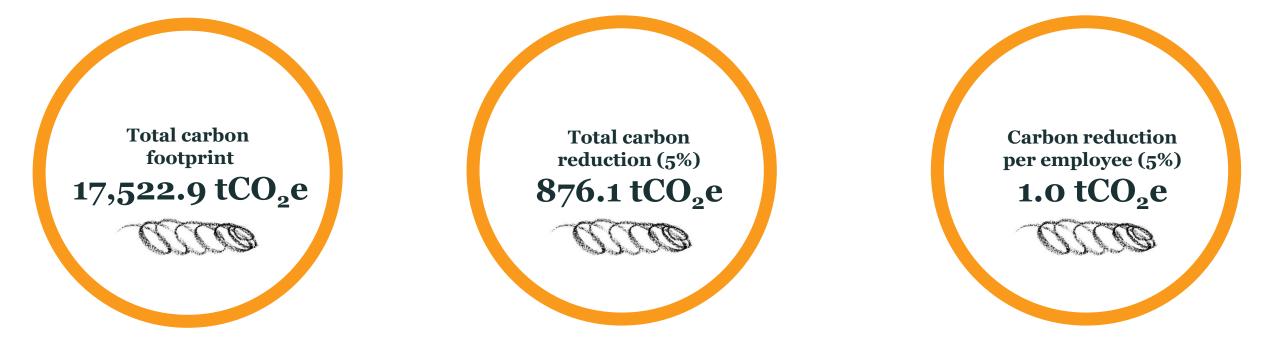
% reduction in total carbon per employee by holders of the Planet Mark (Year 2020)





Looking ahead. Targets for next year.

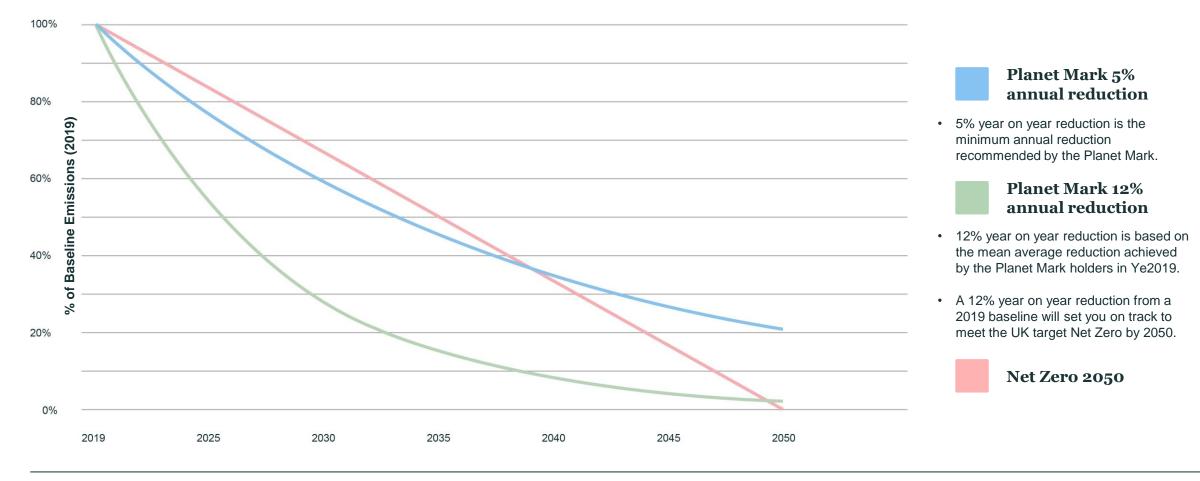






Target setting.

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





Step two. EMGAGE





Workshops & more.

We offer a range of different workshops on sustainability and net zero carbon tailored to engage your internal and external stakeholders on your sustainability journey. Here's a selection of what we offer. More services are available on our <u>website</u>

Please get in touch to discuss your ambitions and how we can best support.



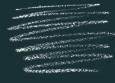
Workshop	Description
Sustainability Energiser	Included as standard with your Certification, this 1 hour session is for everyone in the business. It introduces the business case for sustainability and explains the carbon footprint of your company in an accessible way. Includes brainstorm session inviting your employees to come up with solutions and encourages them to see how each one of them plays a part on your sustainability journey.
Annual Sustainability Plan Workshop	A 2 hour session for key individuals in your team to help structure your sustainability journey through the creation of a one-year Sustainability Plan. We lift the lid on operational carbon emissions, supporting a brainstorming sessions to understand impacts and discuss actions that can make a material difference.
Business Sustainability Essentials Training	A great way to ensure you bring sustainability to the core of your business. A 3 hour training session covering the fundamentals of business sustainability. Empowers your staff members to confidently speak about sustainability, to understand how sustainability relates to your business, and to spot the opportunities sustainability bring.
Zero Carbon Solutions	Our suite of Zero Carbon solutions offers the complete support you need to train your staff on all things net zero, support you to set an ambitious net zero target and implement a robust plan to achieve your commitment.



The Eden Project PARMERSHIP

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. We contribute 5% of Business Certification fees to the Eden Project.







Cool Earth PARMERSHIP

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.
- We have protected one acre of Peruvian rainforest in your company name.





Step three. COMMITCATE



Communicating your international influence.

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 18 SDG targets.







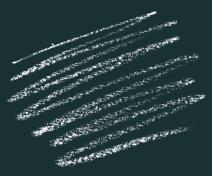
SDG alignment.

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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 all of your staff members to join our online platform, open exclusively to Planet Mark members. A space to learn, share, celebrate and discuss. Join <u>here</u>.

3. Use our toolkits & resources

Toolkits & Guides: Go to our Members Area on our <u>website</u> 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 <u>Solutions</u> to offer. If you want further stakeholder engagement support, browse our list of workshops <u>here</u> or just get in touch to discuss.



Data Report.







				Current						
Source			1 Sep 2019 - 31 Aug 2020		01 Sej	o 20 - 31 Aug 21	_	% Change	% total carbon	% Change in
	Scope Unit	Unit	Amount	tCO ₂ e	Amount	tCO ₂ e	tCO₂e normalised	in tCO₂e from previous year	footprint	amounts from previous year
Building										
Electricity (location based)	2	kWh	1,163,261.00	271.2	7,622,841.87	1618.6	250.6	-8%	9%	555%
Transmission and distribution losses	3	kWh	1,163,261.00	23.3	7,622,841.87	143.2	22.2	-5%	1%	555%
Natural gas	1	kWh	285,395.00	52.5	2,317,607.03	424.5	89.3	70%	2%	712%
Red Diesel	1	litres	-	-	1,613,433.13	4450.8	0.0	-	25%	
Waste										
Landfill	3	tonnes	12.57	6.1	16,395.95	7316.6	6.3	2%	42%	130389%
Recycled	3	tonnes	44.16	0.9	102,790.11	103.1	0.8	-20%	1%	232689%
Water					· · · · · · · · · · · · · · · · · · ·					
Water supply	3	m³	-	-	254,074.10	37.9	0.0	-	0.2%	
Water treatment	3	m³	-	-	254,074.10	69.1	0.0	-	0.4%	
Travel										
Vehicle - fleet - diesel	1	litres	71,530.15	182.1	241,824.67	607.5	170.8	-6%	3%	238%
Vehicle - fleet - petrol	1	litres	87,095.25	188.8	315,751.47	692.6	37.2	-80%	3.95%	263%
Vehicle - fleet - petrol hybrid	1	litres			2,300.79	5.0	0.0	-	0.03%	
Vehicle - non-fleet - petrol	3	litres	13,438.03	29.1	33,642.19	73.8	0.1	-100%	0%	150%
Vehicle - non-fleet - diesel	3	litres	28,716.99	73.1	80,628.51	202.6	3.0	-96%	1%	181%
Vehicle - non-fleet - petrol hybrid	3	litres			4,724.76	10.4	0.0	-	0%	
Air	3	pkm	41,554.00	4.3	-	-	-	-	0%	
Rail	3	pkm	384,121.00	14.2	266,708.86	9.5	9.5	-33%	0.1%	-31%
Ferry	3	pkm	-	-	148.06	0.02	0.0	-	0.0001%	
Commuting	3	pkm	-	-	10,906,831.78	1689.7	0.0	-	10%	
Procurement					· · ·					
Paper - Recycled Content	3	tonnes	1.65	1.2	2.82	2.1	0.4	-69%	0.01%	71%
Paper - Primary Content	3	tonnes	23.77	21.9	55.02	50.6	43.8	101%	0.3%	132%
Courier/Freight	3	km	-	-	143,981.00	15.5	0.0	-	0.1%	
Total		tCO ₂ e		868.8	· · ·	17522.9	633.9	-27.0%		
No. employees		Number		352.0		880	338			
Total per employee		tCO ₂ e		2.5		19.9	1.9	-24.0%		
Total floor space		m ²		7844.0		14728	13100			
Building emissions per m ²		tCO ₂ e		0.04		0.5	0.03	-37.5%		

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About this report – General.

Company Name	Bowmer & Kirkland					
Sector	Construction					
Reporting Period	1 September 2020 – 31 August 2021					
Year Of Certification	14					
Reporting Boundary	Head office (High Edge Court, Heage, Belper, Derbyshire, DE56 2BW), six regional offices in Chester-le-Street, Rainton Bridge, Glasgow, Manchester, Reading and Derby. Construction sites in East Midlands, North East, North Midlands, North West, South and West Midlands					
Emission Sources Included	Electricity, T&D Losses, Natural Gas, Red Diesel, Water, Waste, Fleet, Business Travel, Paper, Freight, Commuting					
Total FTE Employees (annual average no.)	880					
Total Internal Floorspace (m ²)	14,728					
Data Collection Lead	Graham Lee, Technical Manager – <u>g.lee@bandk.co.uk</u>					
Significant Reporting Changes	Inclusion of construction sites					
Baseline Conversion Factor	BEIS 2020					
Current Conversion Factor	BEIS 2021					
Methodology	We follow the GHG Protocol for Corporate Emission Reporting. Refer to the Planet Mark Code of Practice for detailed information on the methodology and standards used in the preparation of this report					
Community Project	Contributions to the Eden Project and to Cool Earth's Asháninka community rainforest project have been made as part of the Planet Mark Certification					
Prepared by	Ashley Whichelow, Senior Sustainability Consultant, Planet Mark					
Checked by	Jamie Beevor, Head of Technical, Planet Mark Rima Trofimovaite, Head of Certification, Planet Mark					
Date	23 December 2021					

About this report – Caveats (i).

Operational boundary	Scope	Unit	Data source	Data accuracy	Comments, omissions, estimates or extrapolations	Organisational boundary
Electricity	2 and 3	kWh	Secondary source - data submission Primary source - some invoices for spot checking	Mostly secondary source data with some invoices for spot checking with a mix of estimated and actual reads	All data submission figures assumed actual, spot checking of invoices confirmed accuracy of the data submission figures	All
Natural gas	1	kWh	Secondary source - data submission Primary source - some invoices for spot checking	Mostly secondary source data with some invoices for spot checking with a mix of estimated and actual reads	All data submission figures assumed actual, spot checking of invoices confirmed accuracy of the data submission figures	All
Red Diesel	1	litres	Secondary source - data submission Primary source - some invoices for spot checking	Mostly secondary source data with some invoices for spot checking with a mix of estimated and actual reads	All data submission figures assumed actual, spot checking of invoices confirmed accuracy of the data submission figures	All
Landfill	3	tonnes	Secondary source - data submission repor	t Unverified	Where tonnage not provided, weight estimated using Environment Agency factors based on bin/skip size. Estimated as 'light materials' for office waste and 'heavy materials' for construction waste Some estimations of % of waste to landfill based on average known % to landfill	All
Recycled	3	tonnes	Secondary source - data submission repor	t Unverified	Where tonnage not provided, weight estimated using Environment Agency factors based on bin/skip size. Estimated as 'light materials' for office waste and 'heavy materials' for construction waste Some estimations of % of waste recycled based on average known % recycled	All



About this report – Caveats (ii).

Operational boundary	Scope	Unit	Data source	Data accuracy	Comments, omissions, estimates or extrapolations	Organisational boundary
Vehicle - fleet - diesel	1	litres	Secondary source - data submission report	Assumed Actual	None	All
Vehicle - fleet - petrol	1	litres	Secondary source - data submission report	Assumed Actual	None	All
Vehicle - fleet - petrol hybrid	1	litres	Secondary source - data submission report	Assumed Actual	None	All
Vehicle - non-fleet - petrol	3	litres	Secondary source - data submission report	Assumed Actual	None	All
Vehicle - non-fleet - diesel	3	litres	Secondary source - data submission report	Assumed Actual	None	All
Vehicle - non-fleet - petrol hybrid	3	litres	Secondary source - data submission report	Actual	None	All
Rail	3	pkm	Secondary source - Travel bookings	Assumed Actual	None	All
Ferry	3	pkm	Secondary source - Travel bookings	Assumed Actual	None	All
Paper	3	tonnes	Secondary source - data submission report	Assumed Actual	Assumed standard paper type and 80gsm for A4 and 90gsm for A0, as per known values	All
Courier/Freight	3	km	Secondary source - data submission report	Assumed Actual	None	All
Employees		no.	Secondary source - data submission report	Assumed Actual	None	All
Turnover		£	Secondary source - data submission report	Assumed Actual	None	All



About this report. Data Quality.

Data quality score

The data quality score is based on the 'Data Quality Matrix' in the Planet Mark Code of Practice and provides an indication of data assurance when using information in this report in your business.

	1 Sep 2019 - 31 Aug 2020	1 Sep 2020 - 31 Aug 2021	Definition	As a way to improve your data quality score for future reports, it is recommended:
Relevance of boundary	2	3	Boundary accurately reflects the majority of the business carbon footprint for studied period.	 Provide evidence of random spot checks across all sites/ regions/ operational boundaries
Data completeness	2	3	12 months of data provided and all GHG emission sources within the boundary accounted for, no disclosure of exclusions.	 Record actual tonnage separately for landfill and recycling for all disposal of waste. Record tonnage separately for different types of waste i.e. paper, glass, timber, steel etc.
Transparency	1	3	Data collection procedure clearly disclosed and full disclosure of assumptions. Some evidence provided.	• Provide further evidence of fuel usage for fleet and business travel in the form of fuel expense claims
Data accuracy	1	2	Qualified estimate, few efforts to reduce uncertainties. Some estimated meter readings and sampled/estimated data.	 Provide further evidence for business travel mileage in the form of receipts/ tickets for travel Record all paper types, sizes and weights Record tonnage hauled via HGV to allow for
Consistency	3	3	Largely consistent or improved boundary and data completeness with documentation of changes made and reasons why.	 calculation of km/tonne Allocate commuting questionnaire respondents by site as defined in the reporting boundary rather than by business division to allow proper
Total score	9 / 20	14 / 20		extrapolation of non-respondent' travel



Recommendations.



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

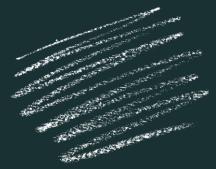
understand what waste you are producing, where it is coming from and what the best route for it would be. Provide plenty of bins for segregating waste correctly and encouraging recycling.

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 <u>Planet Mark website</u> for companies that are currently engaged on reducing their carbon footprint.



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