



Carbon Reduction Plan 2021 - 2050

November 2021



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*McBains has
committed to
net carbon
neutrality in our
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2050.*

Introduction

Our work directly impacts and shapes the future of the built and natural environment. It is therefore our ethical responsibility to assist our clients in providing sustainable schemes that improve the quality of our lives and preserve natural resources for future generations.

Our organisational goal is to generate sustainable funds for our ultimate parent company, RAG-Stiftung Foundation, which has a long-term public duty to deal with the environmental and social commitments resulting from the closing of Germany’s hard-coal mining industry, meaning our work directly promotes the protection of the environment.

However, we are determined to achieve bigger and farther-reaching objectives. We will play our part in assisting the UK government to reach the 2050 greenhouse reduction targets. Our contribution will be targeted through our holistic operational approach and our influence on client projects. Our Carbon Reduction Plan, which aligns with PPN 06/21, forms a critical part of our overall strategy for a sustainable world aimed at leaving and safeguarding a better future for all.



Our Sustainability Strategy

To deliver our objectives and successfully contribute to the global sustainability agenda, we have considered 3 areas of our business which provide opportunities to influence and inform our approach.

Each area has an associated business commitment which underpins our action plans:

- **Our People:** Define the way we operate and what we deliver
- **Our Projects:** Provide opportunity to advocate and ingrain sustainability into the future built and natural environment
- **Our Places:** Include our operational activities and our impact on the communities within which we work.



OUR PEOPLE

“Engage, train & inspire staff to work & live sustainably”



OUR PROJECTS

“Advocate & ingrain sustainability in our projects for clients”



OUR PLACES

“Commit to net carbon neutrality in our operations by 2050”

Our Carbon Reduction Plan

Introduction

We are an in-scope organisation with regards PPN 06/21. Our Carbon Reduction Plan:

- Details our organisational carbon footprint.
- Confirms our commitment to achieving Net Zero by 2050
- Meets the reporting requirements set out in PPN 06/21.
- Will be updated annually.
- Is published and clearly signposted on our website.
- Is approved by our Managing Director
- Demonstrates a clear commitment to emissions reduction.
- Is aligned to our existing Sustainability Strategy.

Supplier Name: [McBains Ltd](#)

Publication Date: [1st November 2021](#)

Commitment: [McBains is committed to achieving net zero emissions by 2050](#)

Scope No.	Scale of Scope for McBains
1	<ul style="list-style-type: none"> • Natural gas use in corporate offices we occupy
2	<ul style="list-style-type: none"> • Electricity use in corporate offices we occupy
3	<ul style="list-style-type: none"> • Business Travel • Electricity Transmission & Distribution Losses • Staff Commuting • Waste generated in corporate offices we occupy • Upstream and Downstream Transportation & Distribution (not applicable)

Our Carbon Reduction Plan

Baseline (2019)

Our Baseline Emissions Footprint is a record of the greenhouse gases that have been produced in the past. They act as our reference point against which emissions reduction can be measured going forward.

tCO₂e for Scope 1, 2 & 3 Emissions (using DEFRA GHG factors)

Baseline Year: 2019

Scope 1	Natural Gas	14
Scope 2	Electricity	44
Scope 3	Business Travel	46
	Electricity Transmission & Distribution Losses	3.7
	Staff Commuting	58
	Waste	43
	Total tonnes of CO₂e	208
	Number of Employees	143
	tCO₂e/employee	1.46

Our Carbon Reduction Plan

Current (2020)

In our previous year, we have delivered a 45% reduction in total tonnes of CO₂e (from 107 to 59). This has been due to

- Introduction of retrofitted low carbon solutions (LED lighting, smart lighting, power down/off IT equipment).
- Purchase of energy efficient equipment and products to replace older, less efficient products.
- A reduction in office use, business travel and staff commuting due to the Covid 19 Pandemic.

tCO ₂ e for Scope 1, 2 & 3 Emissions (using DEFRA GHG factors)		
Year: 2020		
Scope 1	Natural Gas	14
Scope 2	Electricity	31
Scope 3	Business Travel	10
	Electricity Transmission & Distribution Losses	2.7
	Staff Commuting	0
	Waste	0
	Total tonnes of CO₂e	59
	Number of Employees	153
	tCO₂e/employee	0.39

Our Carbon Reduction Plan

Projections (Baseline, Current, Future)

In order to continue our progress to achieving Net Zero, we have adopted carbon reduction targets.

We project that carbon emissions will decrease over the next five years to 95 tCO₂e by 2026. This is a reduction of 54% against our 2019 base year.

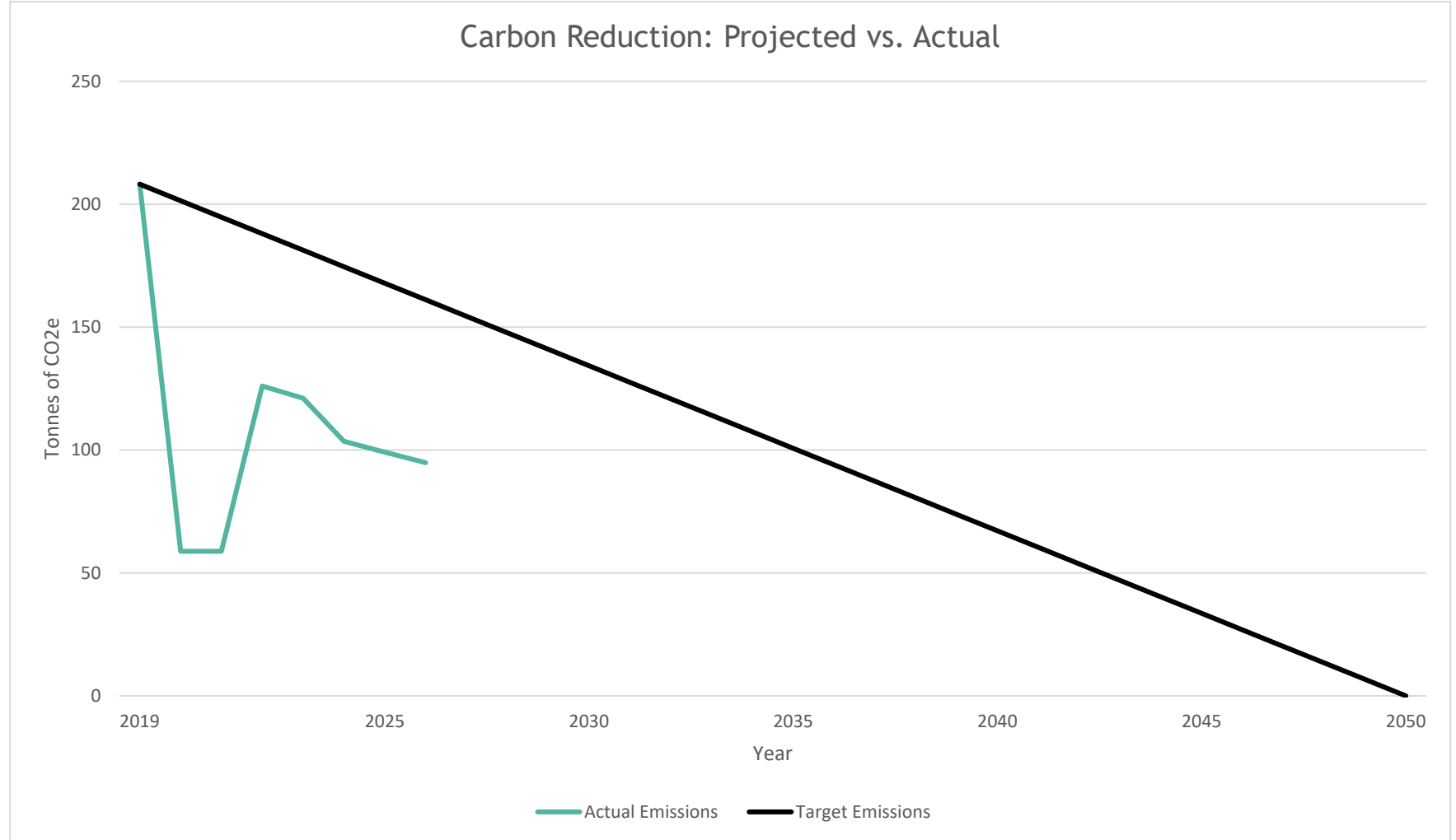
See the table on page 9 detailing the carbon reduction projects and results implemented and planned between 2019 and 2026.

Besides those reduction projects implemented and planned there are additional reduction plans in place that are currently not measured but will contribute to our Net Zero target.

We will actively stimulate our staff to travel by more sustainable modes of transportation.

Anything we recycle whether it's paper or old computer equipment or bulbs is covered by a transfer note which is audited under the ISO 14001 accreditation.

We have recently completed an external audit the ISO 14001 standard and we renewed it for the next 3 years with no observations for improvements or comments on items that we need to rectify.



Our Carbon Reduction Plan

CO₂ Reduction Activities

Carbon Reduction Projects and Results

Year: 2019- 2026

Year	tCO ₂ e	Comment
2019	208	Base year emissions
2020	59	Lower emissions due to the Covid 19 Pandemic
2021	59	Lower emissions due to the ongoing Covid 19 Pandemic
2022	126	<p>Over the last 2 years we have undertaken various upgrades within our offices, these included upgrades of the lighting to LED, replacement of all monitors to low energy LED monitors, and upgrade of our servers to low energy servers. We have documented all of these initiatives under our ISO 14001 accreditation. Moreover, we have replaced all printers with a single heavy duty scanner printer device that controls the printing of every staff member. The printer does not automatically print unless the person goes to the printer to confirm and collect the prints. If the prints are not confirmed, they get deleted from the system. These upgrades have contributed an overall energy reduction in the office that we unfortunately have not been able to properly measure yet as Covid 19 interfered. We estimate that these savings in energy consumption contribute a 15% reduction in emissions associated with electricity consumption when compared to the 2019 base year</p> <p>We have rolled out laptops to all staff so that they can work remotely and have provided training on “MS teams” which has now become the standard tool for communication. We have also adopted hybrid working arrangement - which will be formalised going forward - of people working 3 days at home and 2 days in the office. This will mean that besides personal travel it will also reduce the energy consumption at the office. We expect a further emission reduction of 10% when compared to the 2019 base year due to our staff only working from the office 2 days a week. Additionally due to the increase in homeworking we estimate that the emissions associated with commuting and waste disposed off at the offices will decrease by 60%.</p>
2023	121	Expected emission reduction of about 5% compared to the year 2020 due to continuous improvements.
2024	104	All staff will be relocating to a new building in 2024 which we are currently scoping for its fit out. The aim of a design team is to prepare a specification for this new building that will be energy efficient and as close as possible to net zero carbon. We are also aspiring to achieve BREEAM excellent for this building. Each of the sister companies will occupy a separate floor with some communal facilities for showers et cetera. Our new office area will be similar to our current London office space. We are also hoping to accredit the new office building under the wellness standard. A BREEAM Excellent building is expected to have 32% less emissions associated with premises operations according to BREEAM.
2025	99	Expected emission reduction of about 5% compared to the year 2024 due to continuous improvements.
2026	95	Expected emission reduction of about 5% compared to the year 2025 due to continuous improvements.

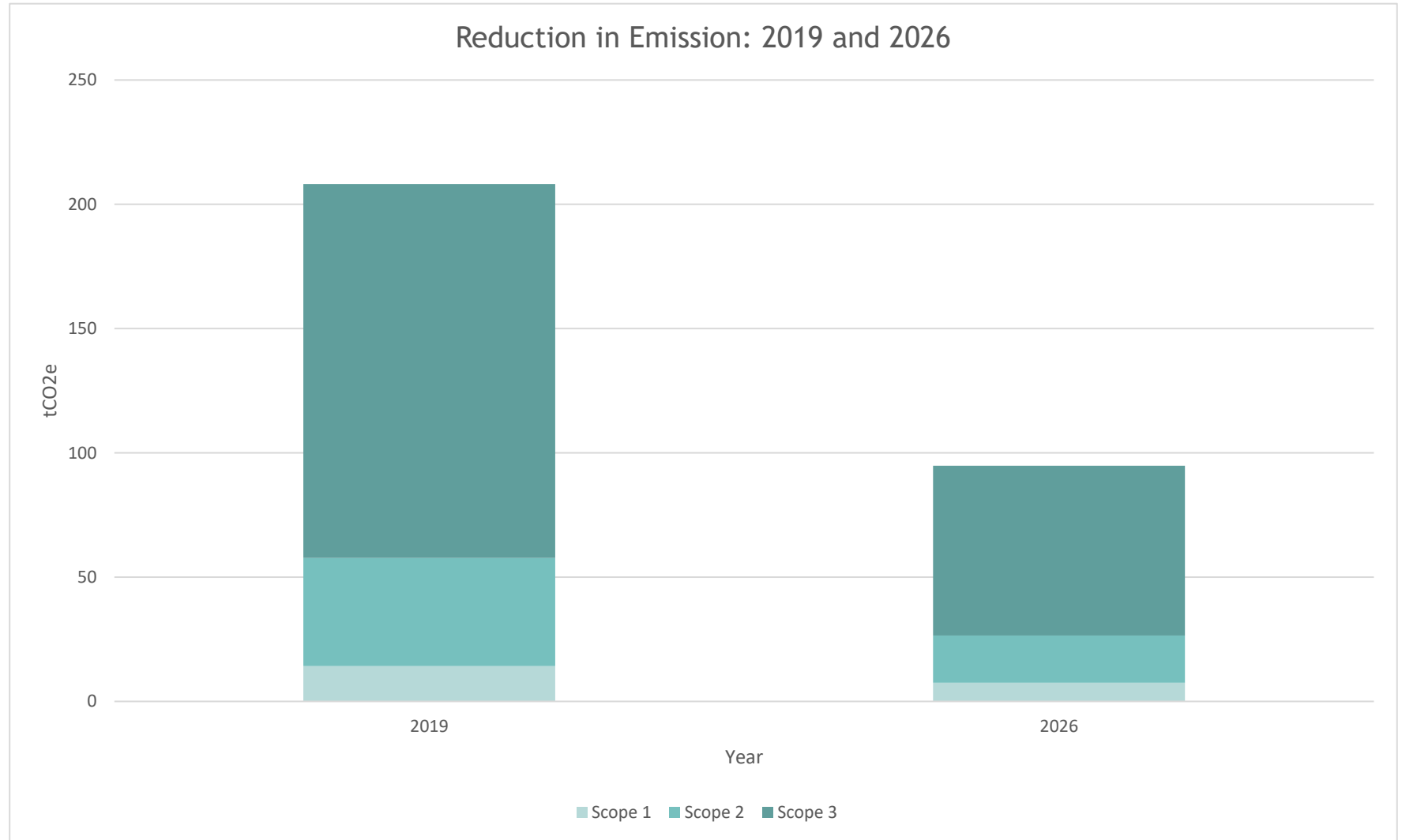
Carbon Reductions per Scope			Measurable		Attainable	Time-Based (Total Tonnes CO2e per annum)								
Scope	Topic	Description	Target	Measure	Action	2019	2020	2021	2022	2023	2024	2025	2026	2050
1	Natural Gas	All gas usage comes from current heating & hot water systems in place at our offices	Net Zero Emissions	Part of Service Charge	Moving to BREEAM Excellent Office in 2024	14.2	14.2	14.2	12.8	12.4	8.4	8.0	7.5	0
2	Electricity	Increase Energy Efficiency	Net Zero Emissions	Electric Meter / Utility Bills	Flexible / agile Working, reduced office utilisation, low energy light/products	44	31	31	33	31	21	20	19	0
					Purchase of Carbon Neutral electricity									
					Moving to BREEAM Excellent Office in 2024									
	Electricity T&D Losses	Increase Energy Efficiency	Net Zero Emissions	Electric Meter / Utility Bills	Moving to BREEAM Excellent Office in 2024	4	3	3	3	3	2	2	2	0
3	Business Travel by Employee-owned Car	McBains has no company owned cards and all business travel by car is made in employee-owned car	Net Zero Emissions	Expenses	Flexible / Agile working	46	11	11	41	40	38	37	35	0
				Larger compensation for electric vehicle use										
	Commuting (car, bus, rail, bike & on foot)	Increase sustainable ways of commuting	Net Zero Emissions	Hybrid working arrangement	Flexible / Agile working	58	0	0	21	20	20	19	18	0
			Survey	Stimulating the use of electric vehicles, public transport & other sustainable modes of commuting										
	Waste	Amount of waste and recycles waste disposed of at the office	Net Zero Emissions	Invoices	Increase recycling	43	0	0	15	15	14	14	13	0
				Hybrid working arrangement	Flexible / Agile working									
Total Carbon Emissions (tCO2e)						208	59	59	126	121	104	99	95	0

Our Carbon Reduction Plan

Measurement & Reporting

As a key part of our overall Sustainability Strategy, we will annually measure and report on our carbon footprint, the progress of our carbon reduction activities, and any newly set targets/activities. In addition to carbon, our Sustainability Report will include broader sustainable objectives, such as those aligned with the UN Sustainable Development Goals.

This Carbon Reduction Plan has been independently assessed by Ecometrica using the Ecometrica Sustainability Platform.



Our Carbon Reduction Plan

Declaration & Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance the GHG Reporting Protocol corporate standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1, Scope 2 and Scope 3 emissions have been reported in accordance with SECR requirements and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the McBains Ltd:

Name: Clive Docwra

Signature: 

Position: Managing Director

Date: 1 November 2021

Thank you

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