



FairHeat

Carbon Reduction Plan

2022

Carbon Reduction Plan

Rev no.	Comments	Author	Reviewer	Approved	Date
001	Final	JDS	TPN	TPN	17/05/2023

Carbon Reduction Plan

1.1. Commitment to achieving Net Zero

FairHeat is committed to achieving Net Zero emissions by 2050.

1.2. Baseline Emissions Footprint

FairHeat previously identified the year 2021 as the baseline year to which reduction to emissions could be implemented. Following the analysis of emissions in 2022, it is clear that emissions produced within 2021 were heavily impacted by the COVID-19 pandemic.

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emission reduction can be measured.

As a consultancy company with no scope 1 emissions, FairHeat's annual emissions are largely dominated by business travel, which was massively reduced as a result of the pandemic. It is therefore proposed that the year 2022 replaces 2021 as our base year as it is more representative of normal business practice as a company.

GHG emissions data for period 1 January 2022 to 31 December 2022	
	Tonnes of CO ₂ e
	2022
Scope 1	0.000
Scope 2	4.816
Scope 3	10.229
Total gross emissions	15.045
Carbon offsets	0.000
Total annual net emissions	15.045
Average no of employees throughout year	27.1
Intensity measurement (per FTE employee)	0.555

1.3. Operational scopes

Where possible, we have measured our 2 and scope 3 emissions. As a consultancy company, we have no scope 1 emissions.

	GHG emissions 2022 in tonnes of CO ₂ e	Comments
Scope 2		
Electricity consumption	1.716	
Gas/heat consumption	3.100	
Water consumption	Not measured	Serviced office with no metering.
Waste	Not measured	Serviced office with no metering.
Total scope 2	4.816	
Scope 3		
Business travel	6.542	
Employee commuting	3.687	

Waste generated in operations	0.00	As a consultancy company, FairHeat do not currently produce any waste through operations.
Downstream transportation and distribution	0.00	FairHeat do not currently sell products to end consumers which require transportation or distribution.
Upstream transportation and distribution	Not measured	FairHeat do not currently have the means to measure the environmental impact of the transportation and distribution of purchased products. Although the quantity of these products is minimal, FairHeat are currently reviewing how to measure the impact of purchased products an aim to be able to report on this by 2024.
Total scope 3	10.229	

1.4. Base year

A significant increase in emissions was recorded for 2022 when compared to 2021, owing to a return to typical business practice following transition away from the COVID-19 pandemic. It is therefore proposed to use 2022 as a new baseline year for which emission reduction targets are set.

1.5. Targets

We have chosen the intensity measurement (GHG emissions per FTE employee) as it best reflects the environmental impact of our expanding company that provides consultancy services.

Our emissions reduction target is to reduce our GHG emissions intensity by 25% by 2029. A 25% reduction on baseline emissions equates to a 0.139 tCO₂e/FTE reduction.

Figure 1 below shows the increase in emissions recorded from 2021 to 2022, as well as the emission reduction targets of the company to become Net Zero by 2050.

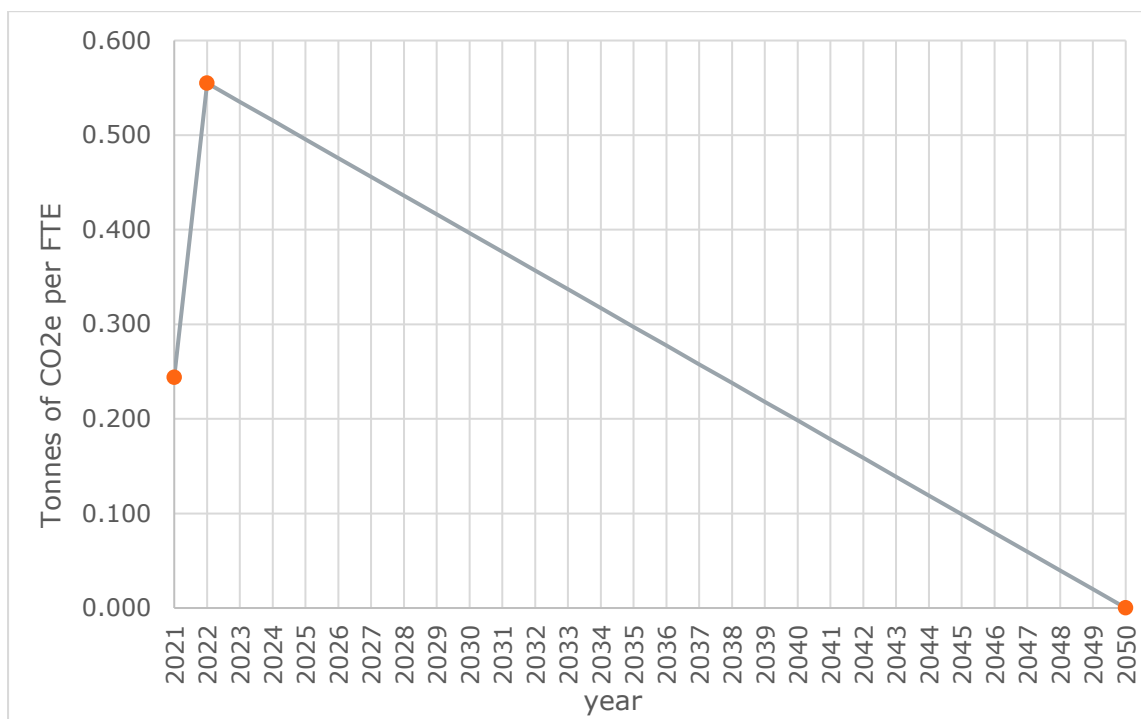


Figure 1: Actual tonnes of CO2e per FTE per year with net zero 2050 target

Gareth Jones, Managing Director and Tom Naughton, Associate are responsible for the achievement of the target.

1.6. Carbon offsets

No carbon offsets were purchased during 2022.

2. Carbon Reduction Projects

2.1. Completed Carbon Reduction Projects

Within 2022, FairHeat adopted a policy change to minimise the use of air travel. The new policy includes avoiding air travel for any work-based travel within Great Britain and for any social events either nationally or internationally (e.g. Christmas party). In addition, alternative travel options to air travel, such as train, will be considered when determining how to travel internationally for work purposes.

No other carbon reduction projects were started during 2022.

2.2. Planned Carbon Reduction Projects

Within the year 2023, we intend to install LED lighting within our leased office. With this implementation we anticipate an electricity saving of approximately 2,700 kWh/annum, equating to a carbon saving of 0.5148 tCO2e/annum.

This saving would reduce our emissions in line with our targets for the year 2023 as shown in the graph below:

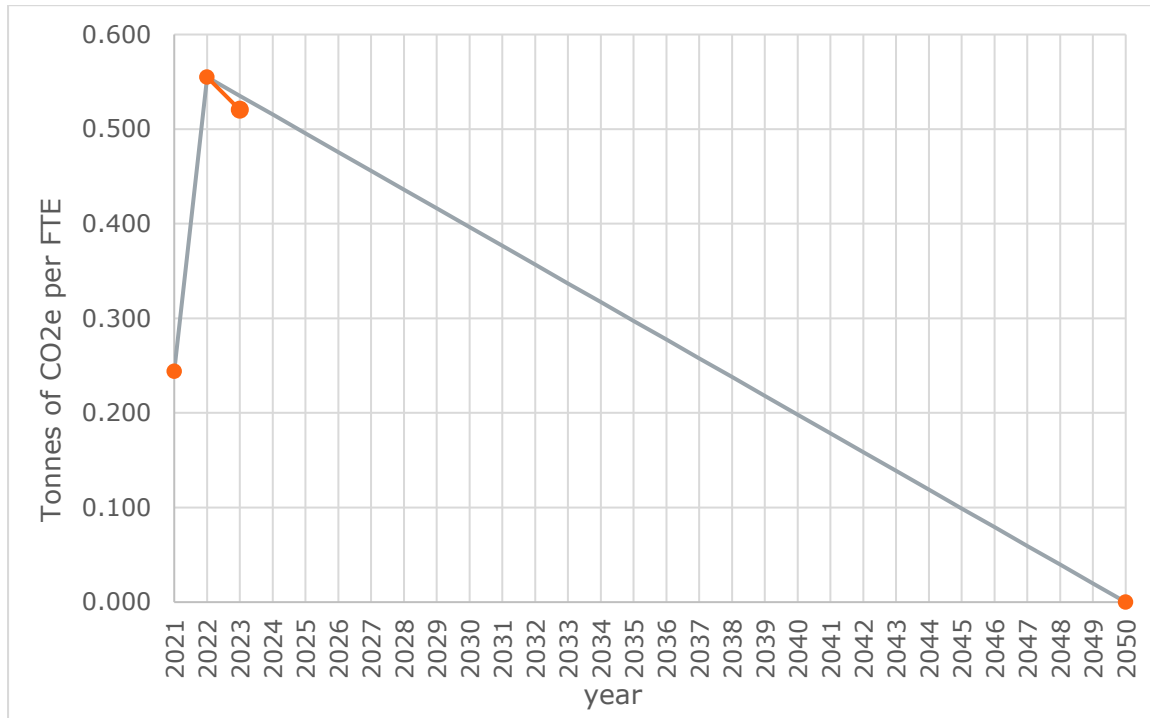
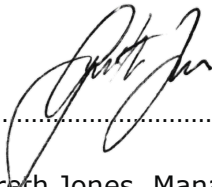


Figure 2: Estimated carbon reduction through LED lighting installation

3. Declaration and Sign Off

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



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Gareth Jones, Managing Director

Date: 04 July 2023
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