



FRM Carbon Reduction Plan

16-09-2024

Copyright © 2024 by Frith Resource Management, all rights reserved



55a Unit 2  
High Street  
Bridgnorth  
Shropshire  
WV16 4DX  
United Kingdom

[www.frithrm.com](http://www.frithrm.com)   
+44 (0) 1746 552423 

## Contents

1	INTRODUCTION .....	1
2	METHODOLOGY .....	1
3	RESULTS & REDUCTION TARGETS .....	1
4	CONCLUDING REMARKS.....	4
I.	HISTORIC CARBON EMISSIONS.....	5

## List of Tables

Table 1 - Breakdown of emissions by scope.....	2
Table 2 – Carbon reduction plan and actions.....	3

## List of Figures

Figure 1 - 2023 FRM Carbon Estimates .....	2
Figure 2 - Reduction forecast.....	3

## 1 Introduction

As part of FRM's commitment to achieving net-zero, we have been committed to reducing our carbon footprint for many years, supported by our ISO14001 Environmental Management System, for which we have been certified since 2015. We took this a stage further in 2022 through measuring and reducing our carbon footprint, and publicly reporting on it.<sup>1</sup> This reduction plan highlights the year 2023 for FRM's carbon footprint, differences from our baseline year, our targets as an organisation and our commitment to continued monitoring of emissions.

## 2 Methodology

We used Defra/DESNZ, Transport for London and Transport Energy Model carbon factors for calculation of our emissions and carbon footprint as a company. For waste treatment, we utilised Zero Waste Scotland factors and for bespoke consumables (e.g., laptops, electric car), the Ecoinvent database. We used electricity, gas and water bills<sup>2</sup> for the head office, and estimated the usage based on average laptop power consumption, lighting and heating for work-from-home calculations. Based on staff travel arrangements and projects, we estimated the emissions associated with business travel. It should be noted that all our furniture in the head office is re-used and second hand. Our methodology has remained the same with the emission factors updating to reflect the relevant year.

Our targets have remained the same from the first plan last year. We as a company are still net-zero and are aiming to become more environmentally friendly in our day-to-day operations. While our targets and ambitions are ongoing, we have been achieving them throughout the year. For example, we have supported a carbon focussed charity through our social value fund and continue to use the electric vehicle, car share or use public transport where practicable.

## 3 Results & Reduction Targets

Figure 1 shows our carbon footprint for the 2023 calendar year at 18.8 tCO<sub>2</sub>e. This is a 5.2 tCO<sub>2</sub>e increase from the baseline year of 13.56 tCO<sub>2</sub>e. The company has had some changes since the baseline year such as 2 new employees, and unusual international travel essential for a project. These changes explain why in 2023 we have a higher footprint than 2022<sup>3</sup>. With these additions excluded the reduction from the baseline year is 1.4 tCO<sub>2</sub>e. Our carbon footprint this year highlights the need to reduce our impact in travel and other areas, as well as increasing our offset to further improve our carbon footprint.

Table 1 shows allocation of emissions according to scope. As it can be seen, our emissions as a company are small. With the majority of the emissions associated with staff travel to clients or events. Our team members are based all around the UK and regular/monthly travel into the office is important to our day-to-day operations, as well as client visits which cannot be done online.

We have opted to subscribe to an accredited carbon off-setting scheme via Carbon Neutral Britain.<sup>4</sup> We are currently offsetting around 20 tonnes CO<sub>2</sub>e per annum and this is more than our current and projected emissions as an organisation.

---

<sup>1</sup> <https://www.frithrm.com/news.php?s=2022-04-13-assessing-and-offsetting-our-carbon-footprint>

<sup>2</sup> A water meter error means that water usage cannot be calculated so last year's figure was used.

<sup>3</sup> For air travel we used carbon factors which included Radioactive Forcing (RF) to account for indirect effects associated with carbon emissions, to provide an accurate depiction of our impact.

<sup>4</sup> <https://carbonneutralbritain.org/>

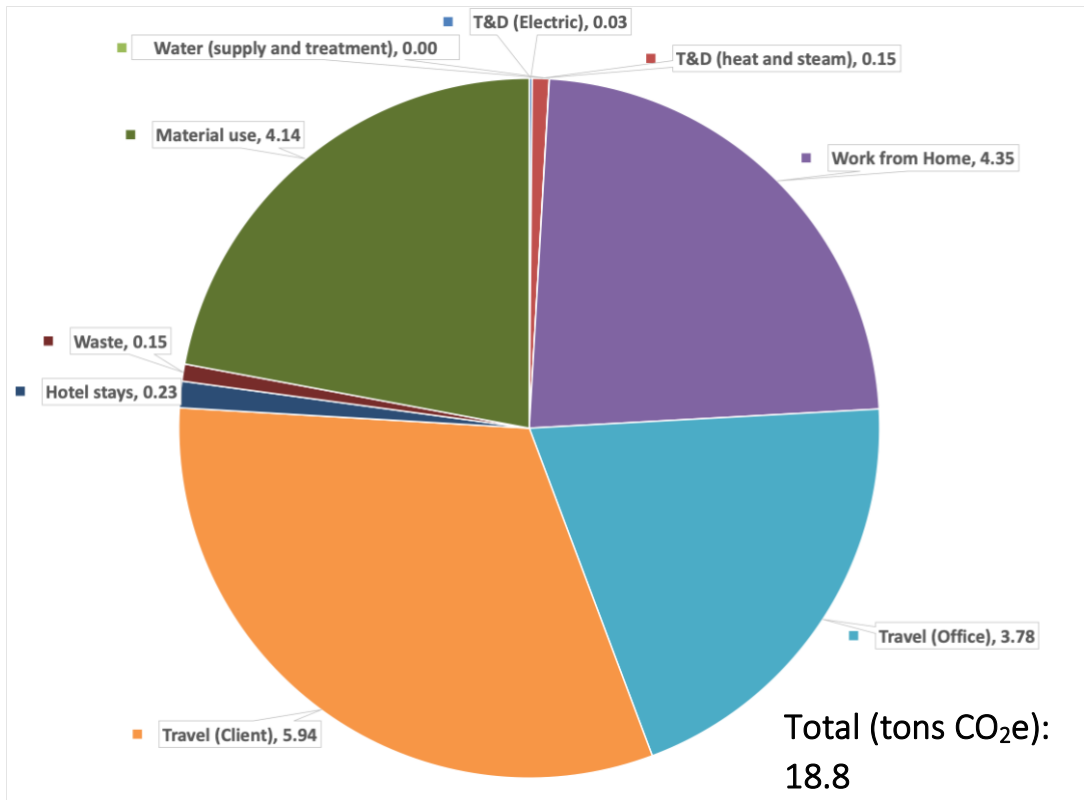


Figure 1 - 2023 FRM Carbon Estimates

Table 1 - Breakdown of emissions by scope

Scope	Emissions (tCO <sub>2</sub> -eq)
1	0.42 <sup>5</sup>
2	0 <sup>6</sup>
3	18.34

Figure 1 shows our current footprint and targets for net-zero (based on the baseline year of 2022) going up to 2050. As it can be seen, through our offsetting scheme, we are already net-zero. However, this can be improved, and we do believe that we can further reduce our emissions. As such, going up to 2050, we will continue to aim to reduce our emissions from our baseline year by a further 25% (Figure 2).

<sup>5</sup> No fuels or refrigerants used in office, only 1 electric vehicle owned and operated

<sup>6</sup> Net-zero energy supplier

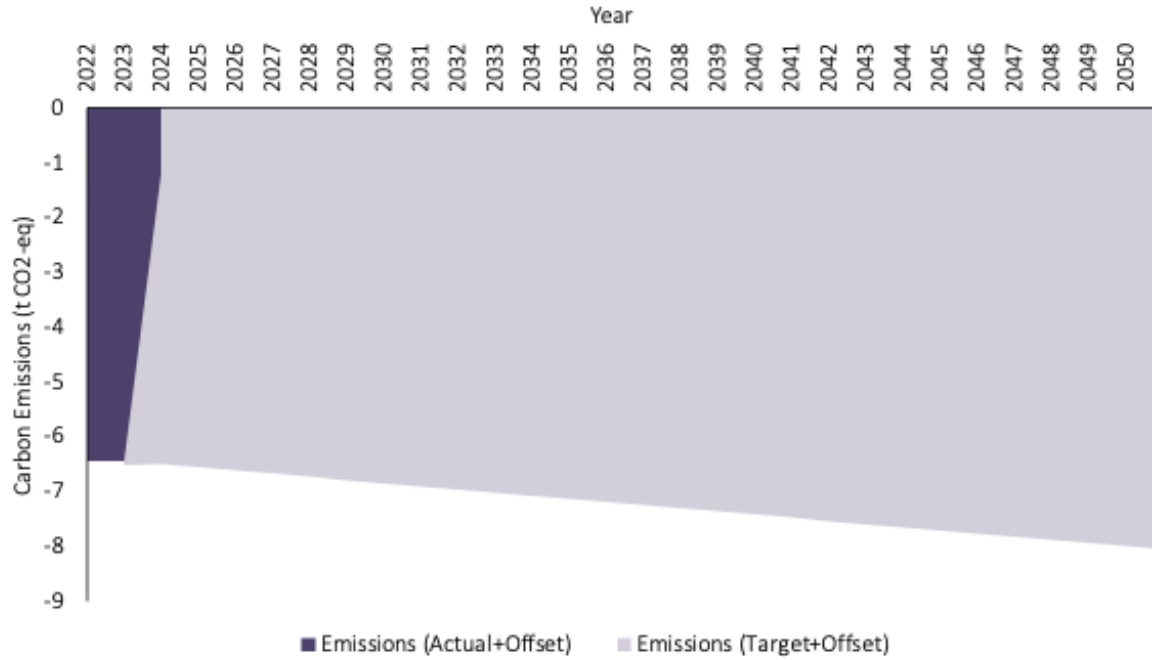


Figure 2 - Reduction forecast

Table 2 shows our carbon reduction action plan. As a company, to keep-up to date with knowledge surrounding net-zero, upcoming technologies and initiatives to reduce carbon impacts, staff regularly attend webinars and conferences and are encouraged to read relevant publications. Additionally, for business travel we use the company electric vehicle, car share or use public transport where practicable to utilise lower carbon (most environmentally friendly) options.

Alongside these actions, we would like to consider if we can facilitate more re-use amongst our staff, consider lower-carbon alternatives for lunch (when in the office) and further segregate our office wastes to extract more value from them prior to disposal (however the low levels of waste we generate makes this a challenge for the waste contractor). We also wish to examine our carbon emissions associated with office supplies and check whether an action is necessary, as well as being mindful of disposal when required.

Lastly, we would like to further grow our volunteering activities to encompass carbon-focused volunteering and make an active effort to channel more of our social value funds towards carbon-focused initiatives and charities where possible.

Table 2 – Carbon reduction plan and actions

Date Added	Action	Detail	Status
April 2023	Carbon Literacy	Keep up to date with carbon literature and technology.	Ongoing
April 2023	Business Travel	Assess on a project-by-project basis, encourage and utilize lower carbon travel arrangements where possible.	Ongoing
April 2023	Waste & Recycling	Examine waste produced in the office with a view to decrease its carbon footprint.	Ongoing

April 2023	Materials & Reuse	Promote reuse initiatives across the team <sup>7</sup> and FRM’s wider zone of influence. Reduce material consumption.	Ongoing
April 2023	Wider scope 3 Emissions	Examine entirety of FRM scope 3 emissions, particularly emissions related to our regular office supplies. As part of this action, we have already switched our Work from Home delivery supplier to a more eco-friendly and lower carbon alternative.	Ongoing
April 2023	Volunteering	We will promote carbon-focused volunteering opportunities and initiatives across our team.	Ongoing
April 2023	Social Value	We will aim to support carbon-focused charities and initiatives through FRM’s social value fund <sup>8</sup> .	Ongoing

## 4 Concluding Remarks

This carbon reduction plan briefly summarises our emissions for the year 2023, and targets that we will work towards going forwards as well as how we have tried to meet our action plan. As our carbon footprint has increased following the baseline year, more action is required to ensure we continue to lessen our emissions in line with our forecasted reduction.

---

<sup>7</sup> Staff already have a re-use option available for a 5L container of washing up liquid or hand soap support refill activity.

<sup>8</sup> In 2023 we made a £500 donation to WasteAid to support their work tackling waste management issues in the developing world and helping tackle carbon emissions, a £43.41 donation to Sustainable Bridgnorth Nature Trail and an £1,200 donation to support a local refill / green shop.

## I. Historic Carbon Emissions.

Scope	2022	2023
1	0.35	0.42
2	0	0
3	13.12	18.34