Carbon Reduction Plan for Routeware Limited

Publication date: 27th July 2023

Format: UK Cabinet Office Template

Standards: UK Cabinet Office 2022 as outlined in https://ghgprotocol.org/corporate-standard.

Commitment to achieving Net Zero

Routeware Limited is committed to achieving Net Zero emissions by 2050.

Important note on the impact of Routeware Limited's main products and services as deployed at our UK municipality customers
Routeware technology has been developed to specifically reduce emissions at UK local authorities and their suppliers. Deployments of our technology at UK waste and environment departments and at their suppliers have resulted in over 750 tCO2e/yr reduction each year since our base year. This reduction occurs cumulatively each year.

The emissions savings from the deployment of our products and services at our customers are far greater than the in-scope emissions from Routeware Limited's own emissions and that of its supply chain as reported in this Carbon Reduction Plan and shown in the tables below. ***Consequently Routeware's existence in the UK results in an overall reduction of Carbon emissions to the world each year. This has been the case since 2001 when we first implemented technology to reduce carbon emissions from vehicle movements.***

We are very proud of this achievement, and we are also wholly committed to further improving our net carbon performance by reducing our own supply chain and direct emissions to achieve net zero emissions by 2050.

Baseline Emissions Footprint

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 emissions reduction can be measured.

Due to our high growth rate, emissions are recorded against an intensity factor of tCO2e/£M of turnover as outlined in [1]https://ghgprotocol.org/corporate-standard.

Baseline Year: 2019

Additional details relating to the Baseline Emissions calculations:

The baseline year 2019 has been used because emissions in 2020 and 2021 were distorted by the impact of COVID-19.

Routeware has negligible emissions from Downstream Transportation and Distribution (distribution of sold products in vehicles and facilities not owned or controlled by Routeware). The only sold products we deliver in this way are 150-250 on board computers but these are almost exclusively delivered by our in-house field service engineer. His travel emissions are included in the Scope 3 business travel emissions calculation.

Routeware has negligible emissions from Scope 1 due to Routeware not owning a company vehicle or gas boilers.

Baseline year emissions:

EMISSIONS	TOTAL (tCO$_2$e/£M turnover)	
Scope 1	**0**	
Scope 2	**0.8**	
Scope 3 (Included Sources)		tCO2e/£M turnover
	4. Upstream supply chain/transport and distribution	81.7
	5. Waste Generated in Operations	0.8
	6. Business Travel	21.2
	7. Employee Commuting	7.8
	9. Downstream Transportation and Distribution	0.0
	Total Scope 3	**111.6**
Total Emissions	**112.4 tCO2e/£M turnover**	

Current Emissions Reporting

Reporting Year: 2022	
EMISSIONS	**TOTAL (tCO$_2$e/£M turnover)**
Scope 1	**0.8**
Scope 2	**0.4**
Scope 3 **(Included Sources)**	

	tCO2e/£M turnover
4. Upstream supply chain/transport and distribution	63.0
5. Waste Generated in Operations	0.2
6. Business Travel	7.9
7. Employee Commuting	2.0
9. Downstream Transportation and Distribution	0.0
Total Scope 3	**73.1**

Total Emissions	**74.2 tCO2e/£M turnover**

Emissions reduction targets

This is Routeware Limited's first emissions reduction commitment. In order to progress to achieving Net Zero, we have adopted the following carbon reduction targets.

In our first carbon reduction plan, published 19th September 2022. We projected that carbon emissions will decrease over five years from the baseline year, to 88 tCO$_2$e/£M turnover by 2024: a reduction of 16% over 5 years.

Our 2022 performance has already surpassed our 2024 target emissions by a significant amount: our 2022 emissions achieved a reduction from our 2019 base line of 34% to 74.2 tCO2e/£M turnover. This massive reduction has been achieved through the continuation of:
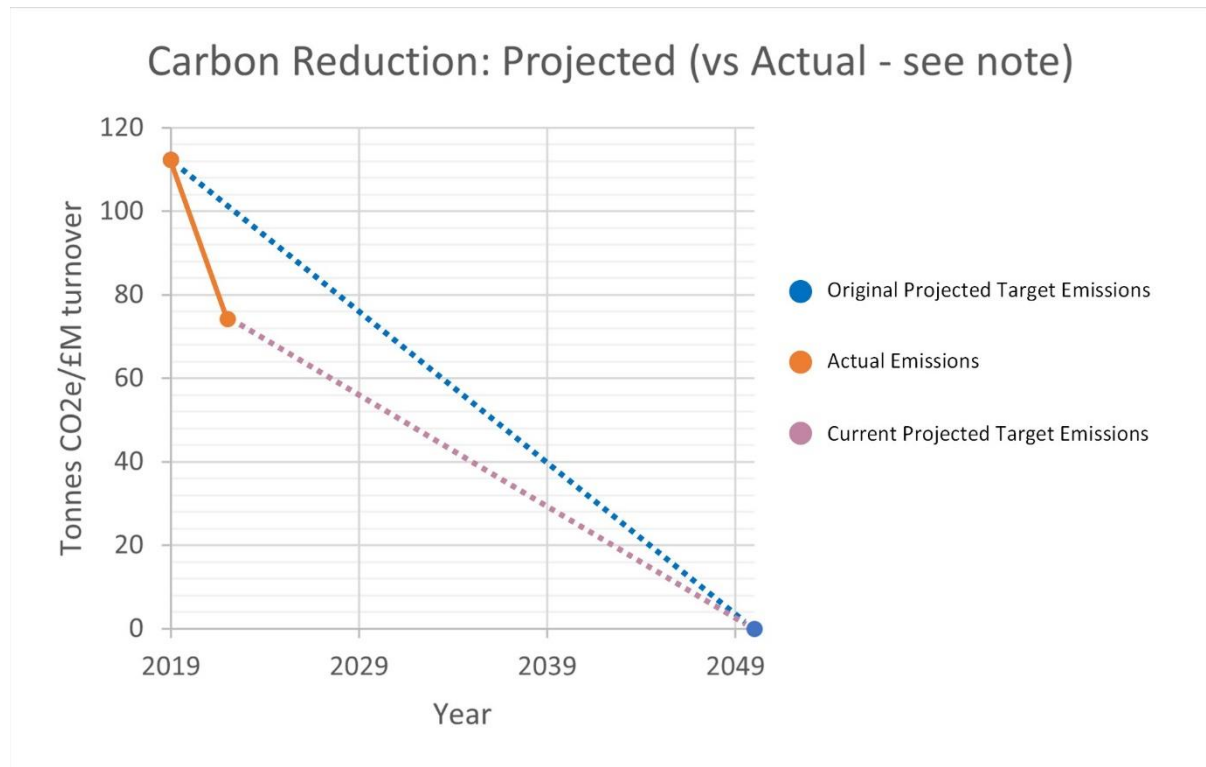
- Improved carbon efficiency in our upstream supply chain

- Reduced business travel/utilisation of video meetings where possible

- hybrid working post covid resulting in reductions in carbon from commuting

- increased staff productivity resulting in lower carbon generation per unit of production.

Having made such huge progress to date, we acknowledge that continuing to cut emissions at this pace will not be viable. However we commit to further reductions of at least 2.65 tCO2e/£M turnover per year to keep us on track to hit zero emissions by 2050.

Note that our actual tonnage emissions will depend on revenue growth which is high and not easily predictable over 5 years. This is why we have adopted a carbon emission intensity target.

The base line and expected progress against these targets can be seen in the graph below:

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2019 baseline:

- Continued hybrid working post Covid to reduce commuting emissions and office emissions
- Investment in video conferencing and other remote working aids (E.g. Slack, virtual telephone system, etc.) to reduce business travel and also support hybrid working
- Leasing of company van with substantially lower Carbon emissions than the vehicle previously used (not owned or leased by company)

In the future we hope to implement further measures such as:
- Move to a smaller office with lower carbon footprint
- Adoption of our main on-board computer hardware from a supplier committed to zero carbon emissions by 2030
- Continue work with suppliers to understand and reduce hosting emissions

Declaration and 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 with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard[1] and uses the appropriate Government emission conversion factors for greenhouse gas company reporting[2].

Scope 1 and Scope 2 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[3].

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

Signed on behalf of the Supplier:

Calum Forsyth

Managing Director, Routeware Limited
Date: 27th July 2023

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[1]https://ghgprotocol.org/corporate-standard
[2]https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting
[3]https://ghgprotocol.org/standards/scope-3-standard