

Beagle Orthopaedic

Carbon Reduction Plan for UK PPN 06/21

Supplier Name: Beagle Orthopaedic Ltd.

Publication Date: 23rd May 2025

COMMITMENT TO ACHIEVING NET ZERO

Beagle Orthopaedic is committed to achieving a reduction of 80% in greenhouse gas (GHG) emissions by 2039, for Scope 1 and Scope 2.

Beagle Orthopaedic is committed to achieving Net Zero greenhouse gas (GHG) emissions by 2050, for Scope 1, 2 and Scope 3.

BASELINE EMISSIONS FOOTPRINT

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

Baseline Year: April 2023 - March 2024	
Beagle Orthopaedic's carbon footprint baseline measurement was calculated for the period starting on the 1st April 2023 and ending on the 31st March 2024. The reporting boundary includes their head office and 2 manufacturing units. The accompanying report focused on Scope 1 emissions (direct emissions) and Scope 2 emissions (indirect emissions) and the baseline of Scope 3 (indirect, value chain emissions) emitted by Beagle Orthopaedic. The data was provided by Beagle Orthopaedic and calculated by 5D Net Zero in accordance with the UK Government Greenhouse Gas (GHG) Conversion Factors for Company Reporting meeting ISO 14065 Standard.	
Baseline Year Emissions:	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	11.04 tCO ₂ e, which included:
Stationary Combustion (Fuels)	- 0.22 tCO ₂ e
Refrigerants	- 0.00 tCO ₂ e
Vehicles	- 10.81 tCO ₂ e

Scope 2	7.79 tCO ₂ e
UK Electricity	- 7.79 tCO ₂ e
Scope 3	219.26 tCO ₂ e, which included:
Upstream Distribution	- 119.70 tCO ₂ e
Waste Disposal	- 1.06 tCO ₂ e
Water (Supply & Treatment)	- 0.37 tCO ₂ e
Commuter Miles	- 64.78 tCO ₂ e
Home Working	- 0.25 tCO ₂ e
Business Travel	- 27.06 tCO ₂ e
Downstream Distribution	- 6.03 tCO ₂ e
Total Emissions	238.08 tCO₂e

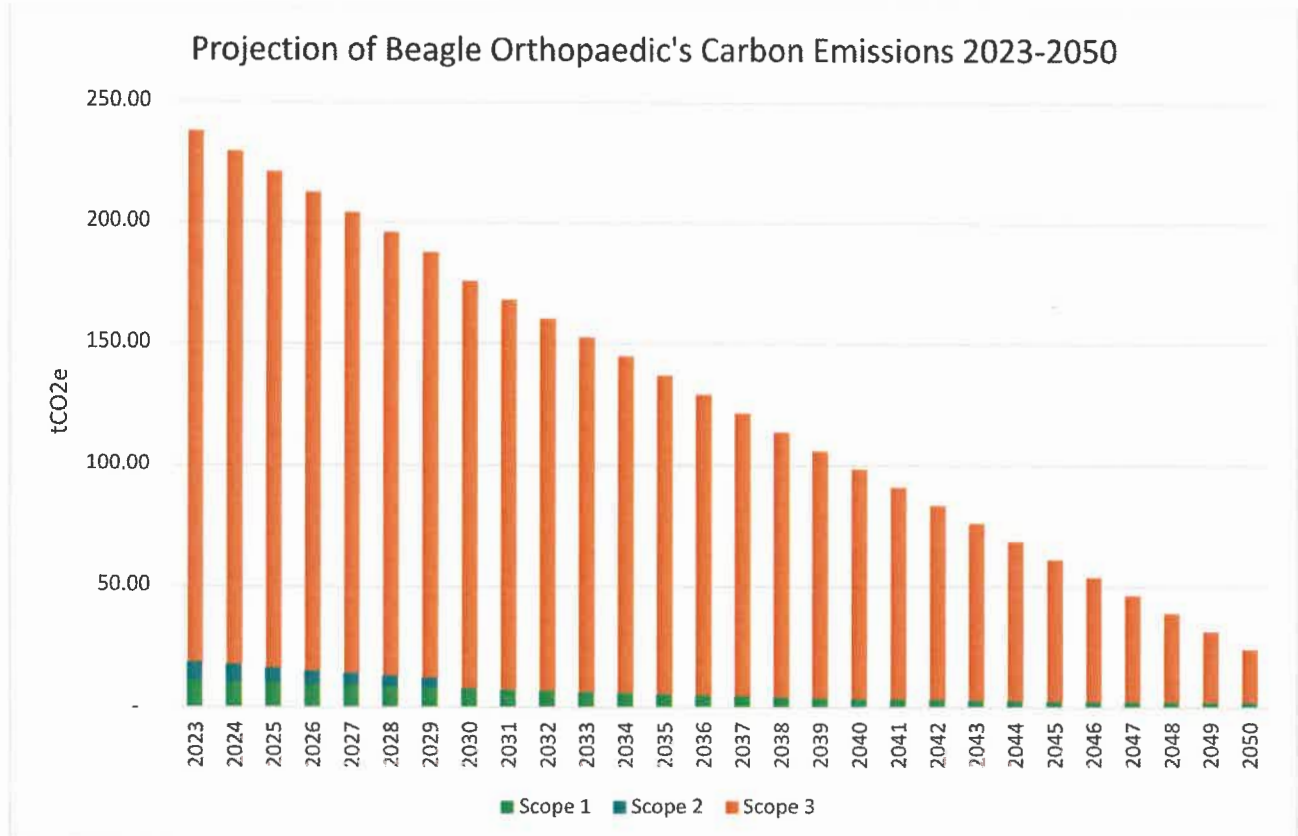
EMISSIONS REDUCTION TARGETS

To achieve Net Zero, Beagle Orthopaedic has set the following carbon reduction targets:

- Decrease Scope 1 & 2 carbon emissions to 3.77 tCO₂e by 2039. This is a reduction of 80%.
- Strive to reduce Scope 1, 2 & 3 emissions to 23.81 tCO₂e by 2050. This is a reduction of approximately 90%

We predict core operational carbon emissions will decrease over the next 5 years to 196.08 tCO₂e, a total reduction of 17.64%.

Beagle Orthopaedic's target greenhouse gas emissions for Scopes 1, 2, and 3 can be seen in the graph below:



PLANNED CARBON REDUCTION INITIATIVES

For Beagle Orthopaedic's initial year of targeted reduction, the following environmental management measures and projects will be carried out as part of the work to reduce the 2023 baseline.

Beagle Orthopaedic aims to achieve an estimated reduction of 8.54 tCO₂e in its first year of targeted reductions, equating to a 3.59% decrease against the 2023 baseline.

SCOPE 1

Vehicles

- Research the possibility of transitioning the fleet to hybrid vehicles in the medium term

SCOPE 2

UK Electricity

- Transition the main office to a renewable energy tariff by 2030
- Carry out a professional or in-house energy audit to assess where energy is being consumed and wasted
 - o Use findings to target inefficient systems (e.g. lighting, IT equipment, heating timers)
 - o Optimise energy settings on PCs, printers and kitchen appliances
 - o Continue to encourage behavioural changes to reduce unnecessary energy use
- Assess viability for different measures. e.g. assess the site's potential for solar PV to generate clean electricity on-site

SCOPE 3

Upstream Distribution

- Collect detailed logistics data to understand the carbon footprint of inbound deliveries, especially air freight
 - o Use this to inform future supplier conversations and identify hotspots for emissions reduction
 - o Simple tracking spreadsheet or integration with logistics platforms if available.

Waste Disposal

- Conduct a bin audit
 - o Helps to identify high volumes of waste, any anomalies and understand problems with recycling, whether it is behavioural or operational
 - o Use results to target improvements in signage, behaviour or packaging changes. Sometimes it is as simple as bin placement and signs
 - o Ask employees about their barriers to recycling
 - o Can help to identify additional waste streams which may have been missed before e.g. glass or plastic recycling opportunities
- Install recycling collections at one of the Units
- Install a food bin, battery recycling and clear signage at all sites

Water

- Install low-flow taps or aerators to reduce water use
- Raise awareness of reducing water use through signage

Commuter miles

- Improve response rate to employee questionnaire to improve data collection
- Making the task mandatory and distributing via email
- Conduct a staff commuting survey to identify low-carbon barriers
- Gather data on travel modes, distances, and reasons for car use.
- Use findings to inform support measures e.g improving active travel infrastructure
- Improve active travel infrastructure
- Use results from the commuter questionnaire to identify infrastructure barriers (e.g. no secure bike racks, no changing facilities).
- Install or improve cycle storage, provide lockers, and ensure staff have access to showers if needed.
- Reinforce changes with clear signage and internal comms

Upstream Distribution

- Consolidate shipments where possible
- Review order processing systems to identify opportunities to combine customer deliveries (e.g. weekly or multi-order bundles).
- Work with couriers to avoid half-empty van runs or split shipments.

DECLARATION AND SIGN-OFF

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standards 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 and used the appropriate Government emission conversion factors for greenhouse gas company reporting.

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) Standard¹.

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

Signed On Behalf of The Supplier:


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Date: 22.7.25
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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>