

Carbon Reduction Plan

Company name: Canon Medical Systems UK (CMSUK)

Publication date: 07/08/2024

Commitment to achieving Net Zero

Canon Medical Systems UK is committed to achieving Net Zero emissions by 2045 for emissions scopes 1, 2 and 3. Commitment was made on the 31st of March 2023 and approved by the board of directors.

Baseline Emissions Footprint

Baseline Year: 2013/14	
Additional Details relating to the Baseline Emissions calculations.	
Baseline calculations were completed for FY 2013/14 (April 1st 2013 - March 31st 2014). After Toshiba Medical System Limited became Canon Medical Systems Limited (CMSUK), the financial year was changed to calendar year. Calendar year has been the basis of emissions calculation since 2021. Baseline was updated in 2023 (see below) after expansion of scope 3 measurement.	
Baseline year emissions: 2013/14	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	688.42
Scope 2	94.35
Scope 3 (Included Sources)	237.79 Business Travel (including flights trains and hotels) – 237.79
Total Emissions	1,020.56

Reporting and Updated Baseline

Baseline and Reporting Year: 2023	
Additional Details relating to the Baseline Emissions calculations.	
<p>2023 is our updated baseline following an expansion of scope 3 measurement to include</p> <ul style="list-style-type: none"> • Upstream Transportation & Distribution • Staff commuting (including homeworking) • Downstream Transportation & Distribution 	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	632.75
Scope 2	0
Scope 3 (Included Sources)	<p>Total 345.63</p> <p>Upstream Transportation & Distribution – 42.57 Waste – 0.81 Business Travel (including all travel modes and hotels) – 155.55 Staff Commuting (including working from home) – 46.26 Downstream Transportation & Distribution – 98.41</p>
Total Emissions	978.38

Emissions reduction targets

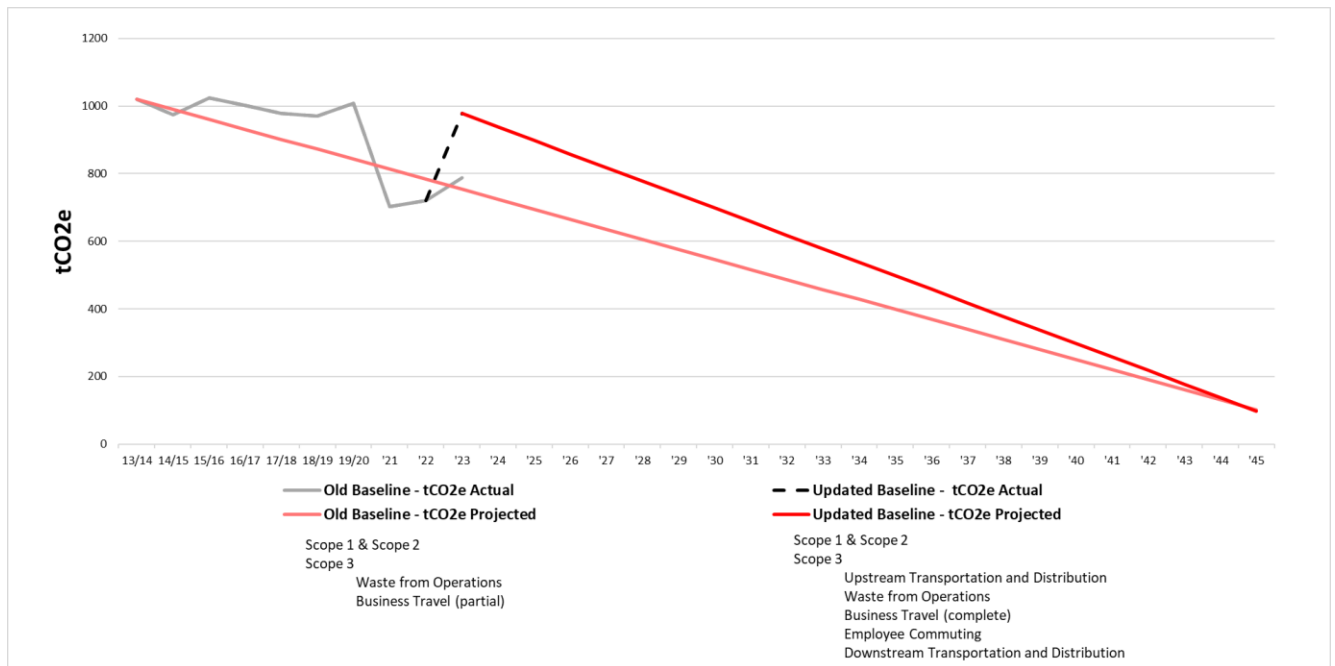
In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

- 42% decrease in Scope 1 and Scope 2 emissions from 2022 levels by 2030
- 3% annual average improvement in lifecycle CO₂ emissions improvement index per product in 2023-2025 and 50% improvement by 2030 compared to 2008 baseline
- 3% annual average improvement per product in raw materials and use CO₂ emissions improvement index in 2023-2025
- Improvement in energy consumption per basic unit

- Maintain zero-waste to landfill status
- Reducing emissions from our fleet by 20% by end of 2025 against 2023, increase % of EVs
- Continue sourcing 100% renewable electricity at operating sites controlled by CMSUK

Progress can be seen in the graph below:

Carbon Reduction: Projected vs. Actual



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2013/14 baseline.

Key Carbon Reduction initiatives:

- ISO14001 Certification since 2008.
- Introduction of Electric Vehicles (EV). Current rate of EVs stands at 43%, compared to 37% at the end of 2022 and 2% at the end of 2020. Charging points installed at Crawley and Dinnington offices.
- 100% renewable electricity across sites controlled by CMSUK.
- Zero waste to landfill across sites controlled by CMSUK since 2017.
- Energy performance improvements at our Crawley head office including LED lighting, installation of more efficient gas boiler and air conditioning unit.
- Installation of solar panels at our Dinnington warehouse in 2023 creating 33,605 kwh electricity or 25.9% of total warehouse electricity use during first six months of 2024.

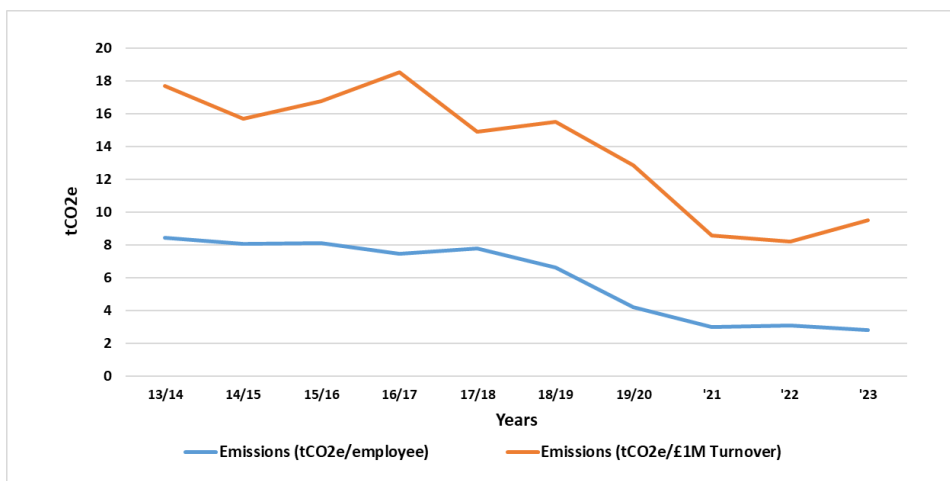
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- Increased remote diagnostics to repair where possible to reduce service engineer callouts and therefore vehicle mileage.
- Introduction of auto routing for customer visits to ensure more fuel-efficient route in 2019.
- lifecycle CO2 emissions improvement index per product has reduced by 44.4% against 2008 baseline¹.

The carbon emission reduction achieved by these schemes equate to 42.18 tCO₂e, a 4.1 % reduction against the 2013/14 baseline, even though we have increased the scope 3 measurements. The measures will be in effect when performing the contract.

During the same time period the emission intensity² has reduced both per employee and turnover expansion of scope 3 measurement.



While the priority is to reduce overall emissions in line with our Net zero 2045 commitment, we have continued to maintain PAS2060 Carbon Neutral certification since 2014 to provide critical funding for climate change mitigation and adaptation initiatives Africa and India. In addition to scope 1, 2 and subset of scope 3 emissions, we have offset the manufacturing, transport as well as the lifetime use of the all our sold products since 2014 and have supported the following, Gold Standard or Verra verified, projects through our partners CO2Balance

- Energy efficient cookstoves in Kenya
- Water boreholes in Uganda
- Wind turbines in India (since 2023)

Some of the key positive impacts that the projects have led to by the end of 2023 are

- 64,935.08 tonnes of CO₂e offset
- 9,645 energy efficient stoves distributed

¹ Across Canon inc.

² Intensity measurement started in 2014/15

- 47,250 tonnes of wood saved
- 39,022,522 litres of clean water supplied

On-going and future projects

We are planning to implement further carbon reduction measures such as:

- Review both the mode of transport used as well as third party logistics partners to ensure we use the lowest emission transport possible.
- Develop and implement a sustainable travel policy to minimise emissions from unavoidable staff travel.
- Install solar panels and new roof to our Crawley offices.
- Work towards reducing both the lifecycle and per product emissions.
- Start supplier engagement on emissions reduction.

Declaration and Sign Off

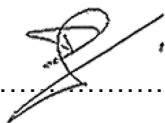
This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard³ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting⁴.

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) Standard⁵.

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

Signed on behalf of Canon Medical Systems Ltd:



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D. Hoogmoed

Date: 0710/2024

³<https://ghgprotocol.org/corporate-standard>

⁴<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

⁵<https://ghgprotocol.org/standards/scope-3-standard>