



CARBON REDUCTION PLAN

PPN 06/21 compliant | 2024

Supplier name: Viveca Biomed

Publication date: 29th June 2024

Commitment to achieving Net Zero

VivecaBiomed is committed to achieving Net Zero by 2040.

Introduction



Recent scientific findings in climate studies suggest that current human lifestyles are adversely affecting our planet's climate. We are witnessing the consequences of climate change, such as prevalent forest fires and droughts. Scientific research has confirmed the ongoing rise in sea levels.

There's a widespread agreement among experts that without significant changes in our behaviour, the future remains uncertain, particularly regarding social, environmental, and economic stability. The 2015 Paris Agreement set a worldwide target to keep the increase in global temperatures well below 2°C compared to pre-industrial levels, while striving to limit the increase to 1.5°C.

The Intergovernmental Panel on Climate Change issued a warning in 2018, stating that if the rate of global warming does not slow down, the increase could surpass 1.5°C, leading to severe global consequences.

In 2019, the United Kingdom became the first major economy to enact a law mandating Net Zero emissions, obligating the government to achieve this target by 2050.

The release of the UK government's procurement policy notice 06/21 (PPN 06/21) underscored the importance of rebuilding the economy with a focus on sustainability. Additionally, PPN 06/21 mandates that any business seeking government contracts must commit to a Net Zero target and implement a plan for carbon reduction.

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.

Baseline Year: 2023/2024

The year 2023/2024 marks the first instance where Viveca Biomed have compiled a comprehensive emissions inventory, a requirement for compliance with PPN 06/21.

This represents the first year of full volume manufacturing as a new and innovative women's healthcare company. Hence prior to this, Viveca Biomed had not established a baseline for emissions. As a result, the emissions recorded in the current reporting year will be considered our baseline.



Viveca Biomed has worked with Smart Carbon to determine scope 1 and 2 emissions alongside a subset of relevant scope 3 emissions.

Emissions source	Units	kWh	Carbon (kgCO ₂ e)	Carbon (tCO ₂ e)
Scope 1				
Total Scope 1			2,803	3
Scope 2				
Total Scope 1 & 2			20,958	21
Total tCO₂e per *FTE on gross scope 1 & 2				1.75
Total tCO₂e per *£m Turnover on gross scope 1 & 2				0

Emissions source	Units	kWh	Carbon (kgCO ₂ e)	Carbon (tCO ₂ e)
Scope 3				
Total Scope 3			405,368	405
Total Scope 1, 2 & 3			426,325	426
Total tCO₂e per *FTE on gross scope 1, 2 & 3				35.53

Table 1. UK GHG emissions and energy use data for period 01 May 2023 to 30 April 2024

Emissions reduction targets

We project that carbon emissions will decrease over the next five years to 28.4 tCO₂e by 2029.

This is a reduction of 20%.

Progress against these targets can be seen in the graph below: [Graph to follow in August 2024]



The following environmental management measures and projects have been completed or implemented recently;

- All lighting in the factory and company offices changed to LEDs reducing scope 2 emissions.
- All staff who do not work in the factory or dispatch, work from home. All manufacturing and dispatch staff live within 3 miles of the factory, and highly engaged in our carbon reduction plans. Average of 90% homeworking across non-factory/ dispatch staff. Reducing scope 3 emissions.

Our commitment to Net Zero

Our Company has pledged to achieve Net Zero status by the year 2040, aligning our carbon reduction efforts with the roadmap outlined by the Intergovernmental Panel on Climate Change (IPCC), and adhering to the principles of the Science-Based Target Initiative (SBTi).

The primary method for reducing emissions in our strategy will involve initiating and executing ambitious projects focused on carbon reduction. The strategy of offsetting carbon emissions will be a secondary measure, reserved only for situations involving emissions that are either inevitable or residual in nature.

Carbon Reduction Projects

Current and Planned Carbon Reduction Initiatives

The following measures and initiatives are in-progress, planned, or under consideration, to support the achievement of our Net Zero target:



- Migration to fully electric company vehicles, to eliminate all scope 1 emissions associated with vehicle traffic.
- Energy efficiency improvements in both offices and manufacturing areas, to reduce scope 1 and scope 2 emissions. Upgrades to manufacturing plant completed to improve efficiency.
- Deployment of solar PV energy generation, to reduce the total electricity requirements of the business (and corresponding scope 2 emissions).
- Secured renewable energy supply from an off-site energy provider, to reduce or eliminate scope 2 emissions
- Product sourcing review, to identify opportunities to reduce scope 3 category 4 emissions, particularly those created by sea or air travel
- Review waste production levels and identify opportunities to reduce waste, improve recycling levels, and introduce circularity models, with the collective goal of reducing scope 3 category 5 emissions
- Introduced a business travel policy to prioritise sustainable transportation options, reducing scope 3 category 6 emissions.
- Investigate employee benefit progress that promote sustainable transportation options (e.g., Cycle-to-work schemes, discounted public transportation, EV salary sacrifice schemes), to reduce scope 3 category 7 emissions
- Investigate scheme whereby preference to be given to accommodation with the highest Green rating, using data from Click Travel, to reduce scope 3 category 6 emissions.
- Continued encouragement towards Hybrid / Remote meetings, to reduce scope 3, category 6 emissions.

Declaration and Sign Off



Our Carbon Reduction Plan is in the process of being completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans. It will be published by 15 August 2024

Emissions will be reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard and use the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions will be reported in accordance with SECR requirements, and the required subset of Scope 3 emissions will be reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors

Signed on behalf of Viveca Biomed

Signature:

A.Tasker

Name: Andrew Tasker

Designation: Chief Executive Officer

Date: 29th June 2024

Notes about methodology:

- Ashington Factory has adopted an operational control approach to establishing the boundary. The methodology adopted in line with the Greenhouse Gas Protocol¹ and the BEIS Environmental Reporting Guidelines². The calculations were completed on the SmartCarbon™ Calculator³ using the UK Government emissions factors⁴.
- CO₂e is the universal unit of measurement to indicate the global warming potential (GWP) of Greenhouse Gases (GHGs), expressed in terms of the GWP of one unit of



carbon dioxide. There are seven main GHGs that contribute to climate change, as covered by the Kyoto Protocol: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF₆) and nitrogen trifluoride (NF₃). Different activities emit different gases. Using CO₂e allows all greenhouse gases to be measured on a like-for-like basis.

- For National grid electricity consumption, THE ORGANISATION has included factors for the transmission and distribution of electricity (T&D) losses, which occur between the power station and site(s). The emissions from T&D has been accounted for in Scope 3. As with other Scope 3 impacts, reporting T&D is voluntary but is recommended standard practice by UK Government².

References:

1. The GHG Protocol Corporate Accounting and Reporting Standard. Revised Edition (2015) World Resource Institute and World Business Council for Sustainable Development.
2. Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance (March 2019) UK Government Department for Business, Environment and Industrial Strategy.
3. SmartCarbon Calculator: <https://www.smartcarboncalculator.com/>
4. Greenhouse gas reporting: conversion factors - Full set (for advanced users). More at this link: <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>