

Carbon Reduction Plan

Supplier name: Microcare Technologies Ltd

Publication date: January 2024

Commitment to achieving Net Zero

Microcare Technologies Ltd is committed to achieving Net Zero emissions by 2030.

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: 2022
Additional Details relating to the Baseline Emissions calculations.
Scope 1 Client support and meetings travel by the staff @ 100g CO2e/per mile Total 144Kg CO2e
Scope 2 1 Electricity Desktop = 1344 kWh electricity/year Lighting = 38.4 kWh electricity per year Total 1382.4 kWh x 0.256 Kg of CO2 = 353.8 Kg of CO2
2. Heating 5kWh gas to heat home for 1 hour (Source EcoAct) Heating = 48,000 kWh gas per year Total 48,000 kWh x 0.184Kg of CO2 = 8832 kg of CO2

Total 9185.8 Kg of CO2

Scope 3

36g CO2 per MB data centre storage (source Climate Neutral Group 2021)

Microcare use around 100 MB per year per client for data centre storage

100 client x 36g x 100 = 360 KgCO2e/per year

Baseline year emissions:

EMISSIONS	TOTAL (tCO₂e)
Scope 1	.14
Scope 2	9.18
Scope 3 (Included Sources)	.36
Total Emissions	9.68

Current Emissions Reporting

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	.14
Scope 2	9
Scope 3 (Included Sources)	.36
Total Emissions	9.5

Emissions Reduction Targets

Scope 1

Client support and meetings travel by the staff @ 100g CO₂e/per mile

Total 144Kg CO₂e

Scope 2

1 Electricity

Laptop = 960 kWh electricity/year

Lighting = 38.4 kWh electricity per year

Total 998.4 kWh x 0.256 Kg of CO₂ = 255.5 Kg of CO₂

2. Heating

5kWh gas to heat home for 1 hour (Source EcoAct)

Heating = 48,000 kWh gas per year

Total 48,000 kWh x 0.184Kg of CO₂ = 8832 kg of CO₂

Total 9087.5 Kg of CO₂

Scope 3

36g CO₂ per MB data centre storage (source Climate Neutral Group 2021)

Microcare use around 100 MB per year per client for data centre storage

100 client x 36g x 100 = 360 KgCO₂e/per year

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

The Total tCO₂e emission reduced from 9.68 to 9.5 during 2022 - 2023.

This demonstrates a carbon reduction on the baseline data.

We project that total carbon emissions will decrease over the next four years to 5 tCO₂e per staff member by 2028.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

We upgraded the end user computer desktops to more energy efficient laptops during 2022-2023. The carbon emission reduction achieved by these equate to .6 tCO₂e,

In the future we hope to implement further measures such as:

1. Support staff to move to green energy suppliers to reduce work from home carbon
2. Promote the adoption of electric vehicles for work related travel
3. Introduce carbon offsetting for international travel
4. Provide staff with a net zero home assessment tool kit to improve efficiency in the home
5. Move to a renewable powered data center.

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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

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

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>