

# Airwave Solutions Ltd Carbon Reduction Plan

**Supplier name:** Airwave Solutions Ltd

**Publication date:** July 19, 2024

## Commitment to achieving Net Zero

Airwave Solutions UK Ltd. is committed to achieving 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.

Baseline Year: FY 2020 (01 January 2020 to 31 December 2020)	
Additional Details relating to the Baseline Emissions calculations.	
Baseline year emissions:	
Emissions	TOTAL (tCO <sub>2</sub> e)
Scope 1	1,802 tCO <sub>2</sub> e
Scope 2	12,294 tCO <sub>2</sub> e
Scope 3 (including sources)	178* tCO <sub>2</sub> e This figure is the sum of the following scope 3 emissions, as selected by the UK Government: <ul style="list-style-type: none"> <li>● Upstream transportation and distribution</li> <li>● Downstream transportation and distribution</li> <li>● Waste generated in operations</li> <li>● Business Travel</li> <li>● Employee Commuting</li> </ul>
Total Emissions	14,274 tCO <sub>2</sub> e

\*2020 Scope 3 emissions were not previously reported and have been added to reflect the emissions during that reporting year. We have updated our reduction goals to include this information.

## Current Emissions Reporting

Reporting Year: FY 2023 (01 January 2023 to 31 December 2023)	
Emissions	TOTAL (tCO <sub>2</sub> e)
Scope 1	1,915 tCO <sub>2</sub> e
Scope 2	2,504 tCO <sub>2</sub> e
Scope 3 (including sources)	600 tCO <sub>2</sub> e This figure is the sum of the following scope 3 emissions, as selected by the UK Government: <ul style="list-style-type: none"> <li>● Upstream transportation and distribution</li> <li>● Downstream transportation and distribution</li> <li>● Waste generated in operations</li> <li>● Business Travel</li> <li>● Employee Commuting</li> </ul>
Total Emissions	5,019 tCO <sub>2</sub> e

## Emissions reduction targets

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

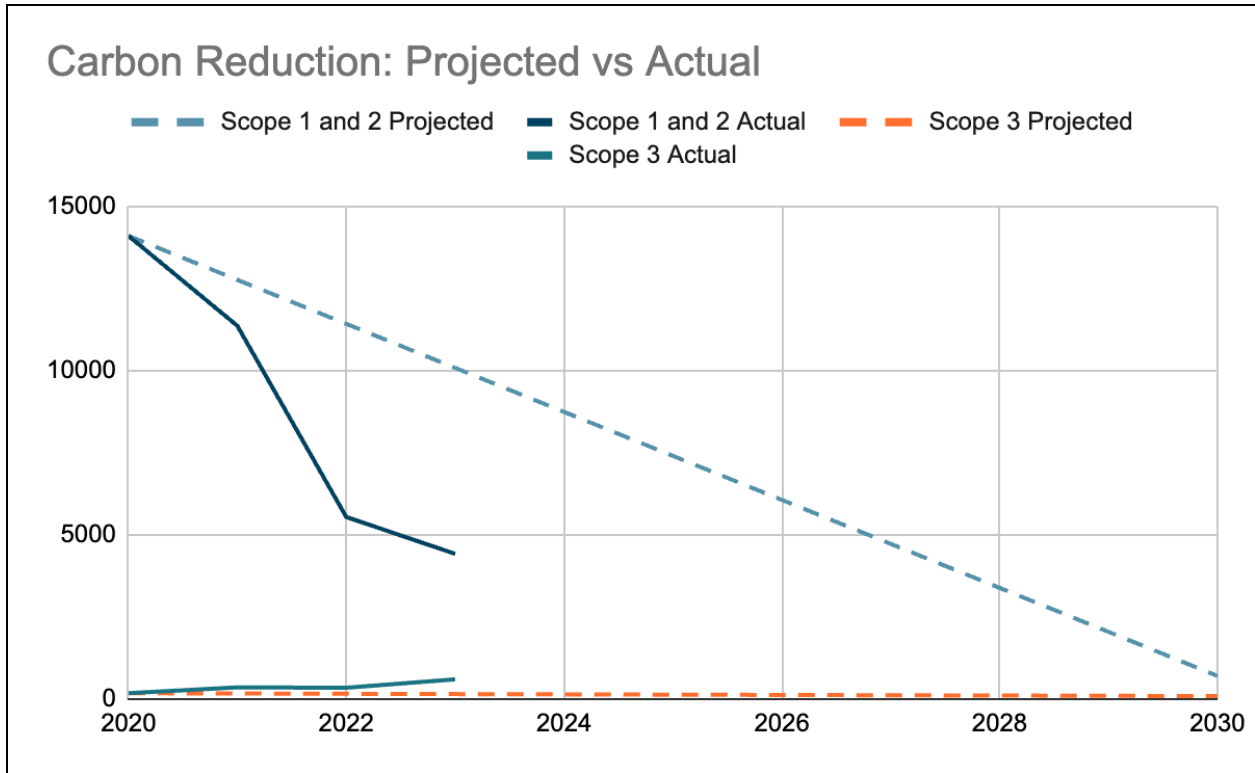
We project that carbon emissions for our Scope 1 and 2 emissions will decrease from our baseline year 2020 emissions of 14,096 tCO<sub>2</sub>e to 7,400 tCO<sub>2</sub>e by 2025. This is a reduction of 47.5%.

We project that carbon emissions will decrease from our baseline year of 2020 to 705 tCO<sub>2</sub>e by 2030. This is a reduction of 95%. These targets are in alignment with the Science Based Targets Initiative's Net-Zero Standards. We will offset a maximum of 5% emissions (the baseline year being 2020).

We commit to halving emissions in our value chain (scope 3) by 2030 and achieving Net Zero carbon emissions across our entire value chain (scope 1, 2, and 3) by 2050. In 2020, our scope 3 emissions totaled 178\* tCO<sub>2</sub>e which we project will decrease to 89 tCO<sub>2</sub>e by 2030.

Our scope 1 and 2 emissions have decreased by 68.6% since our baseline year 2020. We have achieved our 2025 goal three years ahead of schedule. Our 2023 scope 3 emissions have increased by 422 tCO<sub>2</sub>e from our baseline year, due to a rise in business travel and employee commuting compared to our 2020 baseline.

Progress against these targets can be seen in the graph below:



## Carbon reduction projects

The following environmental management measures and projects have been completed or implemented since the 2020 baseline year:

### Updates to Data Centre Cooling

A programme has been completed in the Airwave Network to replace Data Centre cooling, changing from refrigerant based systems to Direct Adiabatic systems. Across 9 locations this programme has reduced energy consumption by 288,000 kWh, reducing carbon emissions by 1,500 tCO<sub>2</sub>e. It has also reduced 'F' gas containment by 1,700 kgs. All operational sites have now been converted to Direct Adiabatic Systems.

### Equipment Optimization

Airwave has made small reductions in CO<sub>2</sub>e due to optimisation of cooling and resilient power supplies used in the network.

### Transition to Green Energy

We have purchased renewable energy for about half of our network and worked with large site providers in purchasing and using renewable energy, reducing scope 2 tCO<sub>2</sub>e by 5,279 tCO<sub>2</sub>e in 2023.

## **Environmental Management System**

We operate an Environmental Management System, certified to the international standard ISO 14001:2015.

Airwave has assessed and implemented a programme to address all of the recommendations identified in the 2019 ESOS report. All the higher consuming areas identified have been completed.

## **Transparent External Reporting**

We have reported to various disclosure schemes at an organizational level, including CDP, MSCI, and Sustainalytics. MSCI has given us an AA rating.

## **Commuting and Business Travel**

An electric vehicle voluntary sacrifice vehicle provision is now available to all employees.

## **Future carbon reduction initiatives**

To reduce our carbon footprint further, we are considering the following measures:

- Switching off the Emergency Services Network (ESN) equipment and testing facilities in the network will be completed in 2024. This has an anticipated emissions savings of 3,200 tCO<sub>2</sub>e, although it is currently on a green tariff supply
- Upon completion, we will consider the findings of the 2023 Energy Savings Opportunities Scheme (ESOS) to increase energy efficiency of our sites as recommended by auditors
- Old legacy equipment will start to be switched off and removed from the Network in 2024 and this has an anticipated future emissions savings of 6,369 tCo<sub>2</sub>e, although currently on a green tariff supply
- Influencing our suppliers to reduce their emissions and consider the transition to renewable sources of electricity
- HVO fuels are being considered for prime generator base sites and each site will also be individually assessed for a full environmental solar/wind solution

## 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 uses 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) Standard.

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:**

**Date:**



18 July 2024

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Fergus Mayne, UK & I Country Manager