

WN VTECH Group

Carbon Reduction Plan

1. Executive Summary

WN VTECH Group (WN VTECH) is committed to achieving Net Zero Emissions by 2030.

We are aware that reducing our Greenhouse Gas Emissions represents significant benefits for us, our customers, suppliers and the wider community.

Our Carbon Reduction Plan covers the strategies for WN VTECH' ongoing commitment to the management and reduction of our business-related carbon emissions.

The plan will cover WN VTECH' baseline year information, setting clear targets for reducing Greenhouse Gas (GHG) emissions over key timeframes and listing our planned projects to achieve carbon net zero by 2030.

While some of these achievements will be achieved through behavioural change, it is noted that, where funding is needed, it will be accessed to take these projects to the right outcome.

As a Group of Manufacturing business, we will be pushing our business and working with all of our employees, contractors and suppliers to embrace this plan and work collaboratively to achieve the overall goal of Carbon Net Zero by 2030.

The points below show the journey we are taking:

- WN VTECH aims to reduce its GHG emissions by 78% by 2025 based on its 2019/20 baseline
- WN VTECH GHG baseline emissions were 1,452 tonnes in 2019/20
- Several staff training and behaviour change projects have been identified that will work to achieve net zero emissions by 2030

2. Meeting the reporting requirements

This Carbon Reduction Plan is completed in compliance with [PPN06/21 as published by the Cabinet Office June 2021](#). This document will be reviewed and updated annually in line with the WN VTECH Annual Report and Accounts. It will reflect any changes in organisational

structure and take account of the efforts made to reduce our emissions over time to achieve net zero by 2030.

2.1 Our low carbon vision

As an organisation, WN VTECH is committed to integrating sustainable development into everyday practice by minimising environmental impact wherever possible.

During the process of developing this Carbon Reduction Plan, a number of key areas have been selected that will allow us to demonstrate reductions in the carbon emissions generated by our activities.

3. Method of data collection:

Due to the unique nature of our business we have detailed below the methodology used for our report.

3.1 Carbon footprint methodology:

In accordance with the GHG protocol's corporate standard, the reported emissions should be reported against an operational boundary using one of three types of reporting methodology:

- equity share
- financial control
- operational control

3.2 Equity share:

This is how an organisation accounts for GHG emissions from operations according to its share of equity in the operation. This model may be helpful where emissions are recorded centrally across a range of entities, for example recorded UK wide by the parent company rather than at the trading entity level.



3.3 Financial control:

The organisation reports on all sources of carbon emissions over which it has financial control. The organisation is deemed to have financial control over a service if it has the ability to direct the financial and operating policies of the service with a view to financially managing its activities, for example:

- setting budgets
- managing expenditure
- obtaining an 'income' from the activity

3.4 Operational control:

The organisation reports on all sources of carbon emissions over which it has operational control. The organisation is deemed to have operational control over a service if it has full authority to introduce and implement its operating policies.

In line with the Streamlined Energy and Carbon Reporting (SECR) requirements we have reported on the underlying energy use.

In 2020 the Company undertook preliminary audits to identify opportunities to improve energy efficiency and reduce energy consumption. The business has already followed some of the recommendations with an estimated saving of 270,818 kWh per year from switching the Westhoughton site from Oil to Natural gas in 2020 and in the period of the report has switched part of the Westhoughton site to LED lighting saving 89,856 kWh with the opportunity to roll this out to further sites in 2022.

We are also targeting moving to an electric only vehicle policy for company vehicles and intend to switch to a part at least renewable energy source supplier at our next renewal in December 2022.

Baseline year ended 31 December 2020- Current year 31 December 2021

	Year ended 31 st December 2021	Year ended 31 st December 2020	Variance
	Energy units	Energy Units	%
Scope 1: Combustion of fuel and operation of facilities, refrigeration			
Natural Gas (kWh)	1,917,788	2,059,834	(6.9)%
Direct Transport (kWh)	890,168	1,134,429	(21.5)%
Fuel Oil (kWh)	1,476,240	700,942	111.0%
Total Scope 1: kWh Total Excl. Refrigerant	4,284,197	3,895,205	10.0%
	tCO2e	tCO2e	10.0%
Natural Gas (kWh)	351.0	379.0	(7.4)%
Direct Transport (kWh)	209.0	273.0	(23.4)%
Fuel Oil (kWh)	395.9	187.9	110.7%
Total Scope 1: tCO2e Total Excl. Refrigerant	955.9	839.9	13.8%
Scope 2: Electricity purchased and heat and light generated for own use			
	Year ended 31 st December 2021	Year ended 31 st December 2020	Variance
	Energy units	Energy Units	%
Location Based (LB) (kWh)	1,082,166	877,142	23.4%
Market Based (MB) (kWh)	1,082,166	877,142	23.4%
	tCO2e	tCO2e	%
Location Based (LB) (kWh)	230.0	205.0	12.2%
	Energy units	Energy Units	%
Total Gross Scope 1 & 2 (LB/MB) – Excl Refrigerant	5,366,363	4,772,347	12.4%
	tCO2e	tCO2e	%
Total Gross Scope 1 & 2 (LB) – Excl Refrigerant	1,185.9	1,044.9	13.5%
Intensity Ratios – unit /£m turnover			
	Energy units	Energy Units	%
Total Gross Scope 1 & 2 (LB/MB) – Excl Refrigerant	69,243	58,170	19.0
	tCO2e	tCO2e	%
Total Gross Scope 1 & 2 (LB) – Excl Refrigerant	15.3	12.7	20.5%

Scope 3 Emissions

The Group is in the process of measuring its scope 3 emissions for the year ended 31 December 2022 with a view to completing the exercise by 30 June 2023.

The scope 3 categories that we deem to be the most significant for the businesses in our Group and therefore we have chosen to measure and report the emissions on are as follows:

Category	Description
Purchased goods & services	Extraction, production and transportation of goods purchased or acquired by our businesses in the reporting year
Upstream Transportation and distribution	Transportation and distribution of purchased parts acquired to use in our business in the reporting year
Business travel	Transportation of employees for business related activities during the reporting year
Employee commuting	Transportation of employees between their home and their worksites during the reporting year (in vehicles not owned or operated by our businesses)
Downstream transportation	Transportation and distribution of products sold by our businesses in the reporting year.
Use of sold products	End use of goods sold by our businesses in the reporting year- this will include the direct use phase emissions of all sold vehicles over their expected lifetime.

Methodology

Conversion factors

All conversion factors that have been used are taken from the 2019 “UK Government GHG” Conversion Factors for Company Reporting” document.

Utilities

Invoices from electricity and natural gas suppliers were provided, with energy consumption expressed in kilowatt hours. Emissions were calculated using the average UK mix.

Fuel consumption is recorded by fuel cards, expressed in litres. Energy consumption and emissions were calculated using the average forecourt mineral blend of fuels.

4. Strategies for carbon reduction

The carbon reduction opportunities in this plan, once fully implemented, will reduce WN VTECH' GHG emissions each year in line to achieve net zero emissions by 2030.

The areas for concentrated reduction strategies are as follows:

4.1 Lighting and heating facilities

We are working on improving the energy efficiency of all our seven UK sites, with the target being heating and lighting.

For lighting we have started to roll out LED lighting across all sites, and improved use of sensors in all sites, especially in the Winter months. For heating we are looking at insulation and improvements in heating systems.

For both gas and electric supply we are looking to switch to a higher content renewable energy supply.

4.2 Machine Utilisation

For all Operational sites we have a significant opportunity to reduce energy usage from smarter operation of equipment.

4.2 Business travel

Evaluate and, where possible, adopt means of reducing business travel, including continued use of video conferencing, to achieve sustainable long-term reduction of emissions that will be reported annually.

4.2 Employee commuting

We will continue to maintain a Smarter Working culture for all employees to reduce the amount of business travel and commuting for our colleagues, helping to reduce our CO2 emissions.

From the Annual Report 2020/21

"Smarter Working supported by the Estates Strategy will future proof WN VTECH offices whilst enabling our employees to make the right decisions about where and how they work whilst making the best use of our workplaces and technology. It improves productivity through a focus on outputs rather than presenteeism and supports the reduction of our carbon footprint by reducing unnecessary travel"

4.3 Communication

We will work with key partners and other stakeholders to achieve a better understanding of our emission contributions in the energy usage and waste emission categories.

4.4 Employee learning and behaviour change

A program will be created over the next 12 months to raise the environmental awareness for all WN VTECH employees, contractors and interns.

Working with all employees, we will encourage better energy use and reduced waste. During the pandemic for example, while the majority of employees were working from home, it highlighted how printing is not as essential as previously thought to our business operations as part of our daily work lives, and we will aim to maintain this as a goal for a more paperless office.

4.5 Leadership

The Executive Board of WN VTECH has given, and will continue to give, its full support to this carbon reduction programme and the team required to achieve WN VTECH' Net Zero ambitions.

The Executive Board will lead by example, by modelling best practice behaviours in carbon reduction wherever possible, by helping to push for and then implementing changes, along with arranging for specific sub-project funding if and when needed.

4.6 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 is being analysed against 5 categories and will be reported on from the year ended 31 December 2022 onwards.

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

Signed on behalf of WN VTECH GROUP



Jon Sharrock

Director

February 2023