

# CARBON REDUCTION PLAN

2023-24





# OUR NET ZERO COMMITMENT

Arrow County Supplies is committed to achieving Carbon Net Zero for Scopes 1, 2 and 3 by 2040

# SCOPES & DRIVERS

We have measured our greenhouse gas emissions since 2020, using the Carbon Trust carbon calculator

All calculations have been made using the relevant greenhouse gas emission conversion factors, including all Scope 1/2 emissions and all currently measurable Scope 3 emissions

## SCOPE 1

### Direct Activities

Emissions associated with our vehicle fleet, equipment, and facilities



## SCOPE 2

### Indirect Activities

Emissions generated offsite and consumed by Arrow (purchased electricity, heating and cooling)



## SCOPE 3

### Indirect Activities

Emissions generated as a result of our activities, from sources not owned or controlled by Arrow



# BASELINE EMISSIONS FOOTPRINT

## Baseline emissions reporting

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 2020-2021

**Baseline Year: 2020 – 2021**  
(01/01/2020 – 31/12/2020)

**Our baseline emissions year includes all measurable Scope 1 and 2 emissions (including direct vehicle emissions, indirect emissions from purchased energy and all currently measurable Scope 3 value chain emissions**

All calculations have been made using the relevant greenhouse gas emission conversion factors, as recommended by the UK government’s Department for Business, Energy & Industrial Strategy, from metered source data

EMISSIONS	Total (tCO2e)
<b>SCOPE 1</b>	<b>332.6</b>
<b>SCOPE 2</b>	<b>75.6</b>
<b>SCOPE 3</b> – Including Upstream Transport & Distribution Waste Generated Business Travel Employee Commuting Downstream Transport & Distribution	<b>147.76</b> Data not available Data not available 0.009 106 41.36
<b>TOTAL EMISSIONS</b>	<b>555.96</b>

# CURRENT EMISSIONS REPORTING

**Reporting Year: 2023 – 2024**  
(01/01/2023 – 31/12/2023)

**Our 2023–24 emissions report includes all measurable Scope 1 and 2 emissions, including direct vehicle emissions, indirect emissions from purchased energy and all currently measurable Scope 3 value chain emissions**

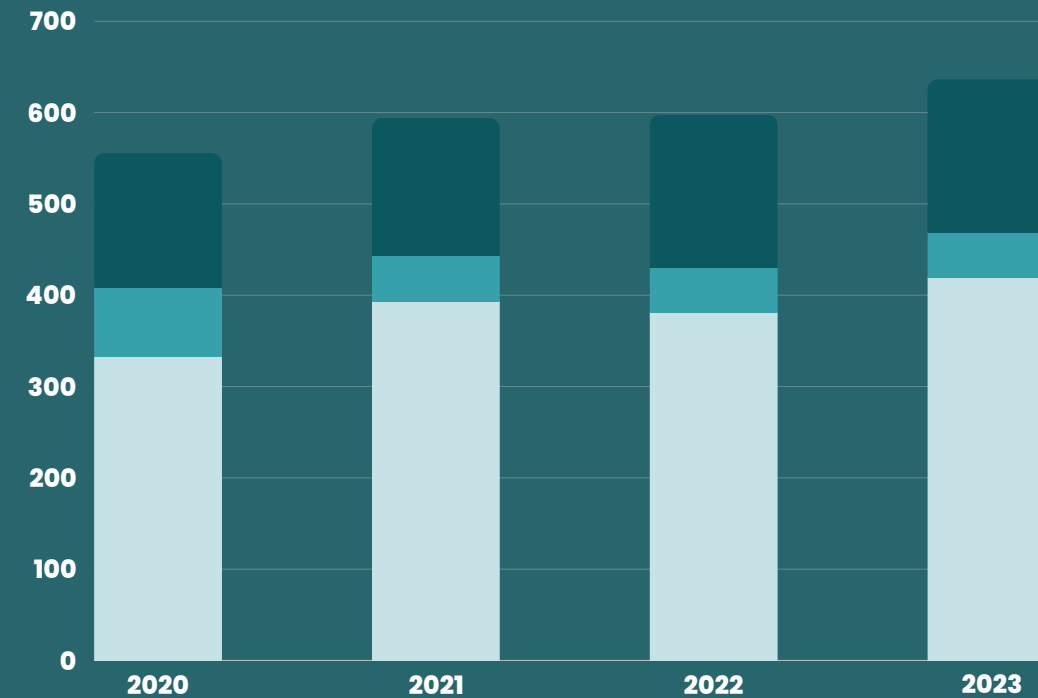
All calculations have been made using the relevant greenhouse gas emission conversion factors, as recommended by the UK government’s Department for Business, Energy & Industrial Strategy, from metered source data

<b>EMISSIONS</b>	<b>Total (tCO2e)</b>
<b>SCOPE 1</b>	<b>419</b>
<b>SCOPE 2</b>	<b>50</b>
<b>SCOPE 3</b> – Including	<b>147.369</b>
Upstream Transport & Distribution	Data not available
Waste Generated	Data not available
Business Travel	0.009
Employee Commuting	106
Downstream Transport & Distribution	41.36
<b>TOTAL EMISSIONS</b>	<b>616.369</b>

# HISTORIC EMISSIONS

The following graph maps our historic emissions between our baseline year 2020 and our last financial year 2023

The impact of the COVID-19 pandemic on 2020-2021 (our baseline year), and subsequent lockdown restrictions, led to a relative reduction in usual business activity. The resulting end of lockdown led to increased business operations and therefore increases in overall emissions in reporting years 2022/2023. These increases have been partially mitigated by company investments, including FuelActive system installation, SMART LED lighting and maximising backhaul vehicle usage.



**SCOPE 1, 2 & 3 EMISSIONS SINCE 2020**  
(in tonnes Co2e)

■ Scope 1    ■ Scope 2    ■ Scope 3

# CARBON REDUCTION PROJECTS

## COMPLETED CARBON REDUCTION INITIATIVES

The following environmental management measures and projects have been completed or implemented since our 2020 baseline. The carbon emissions reduction achieved by these schemes equates to an **11% reduction against our 2020 emissions intensity baseline** (from 66 tCO<sub>2</sub>e per employee to 59 tCO<sub>2</sub>e per employee)

Carbon reduction projects have included:

## ISO & ECOVADIS GOLD CERTIFICATION

Certification to ISO:14001 and EcoVadis Gold Level

## FLEET EMISSIONS REDUCTION

Reduction in Scope 1 emissions generated by company vehicles through installation of FuelActive technology, utilization of Springboard route management software and backhaul vehicle arrangements

## SMART LED INSTALLATION

Installation of SMART LED lighting throughout our National Distribution Centre (NDC), with lighting controls including motion sensors, outside light level sensors and time controls

## FLEXIBLE WORKING STRATEGY

Introduction of a company-wide flexible working policy, resulting in a reduction in business travel and commuting



## **CARBON REDUCTION PROJECTS CONTINUED**

### **HUB & SPOKE INFRASTRUCTURE DEVELOPMENT**

Opening a new Scottish Regional Distribution Centre (RDC) in November 2023, allowing us to operate local pick, pack and delivery to our Scotland and North customers – reducing delivery distances and associated carbon impact

### **“FOR HUMANITY” ESG STRATEGY LAUNCH**

Successful launch of our **“For Humanity”** ESG Strategy, embedding our corporate ESG strategy throughout our value chain (with Net Zero as the headline goal)

### **VIRTUAL MEETING TECHNOLOGY**

Implementation of virtual meeting technology to support digital conferencing, reducing the need for business travel to face-to-face meetings



# NEXT STEPS TO NET ZERO

Supporting our Net Zero roadmap, we have planned the following carbon reduction initiatives:

## **COLLABORATE WITH SUSTAINABILITY WEST MIDLANDS**

Collaborate with Sustainability West Midlands to formalise our carbon reduction plan, including setting carbon budgets and improving our data collection process to aid reduction and progress measurement

## **TRANSITION TO RENEWABLE ENERGY**

Transition to 100% REGO (Renewable Energy Guarantee of Origin) certified electricity (classified by Ofgem as carbon neutral; currently 80% REGO-certified electricity)

## **ZERO-EMISSION FLEET**

Transition to a zero-emission vehicle fleet, with a target of 90% low, ultra-low or electric vehicles by 2035 and an entirely net zero fleet by 2040

## **HUB & SPOKE EXPANSION**

Grow our national distribution infrastructure to reduce travel distance and support introduction of low-emission/electric vehicles to key geographical areas, opening 2 strategically-located Regional Distribution Centres (RDCs) by 2025

## NEXT STEPS TO NET ZERO CONTINUED

### ENHANCE DATA COLLECTION

Implement enhanced data collection processes, incorporating use of accredited emissions factor databases to gather average product level tCO<sub>2</sub>e data and improve Scope 3 emissions reporting capability

### PROMOTE SUSTAINABLE TRAVEL

Promote sustainable travel initiatives and supporting sustainable travel options for commuting and business travel, eg Cycle2Work, car-sharing schemes; installing onsite EV charging points

### EVALUATE & IMPROVE OUR PRODUCT PORTFOLIO

Strategically evaluate our entire product portfolio with specific plans to promote more efficient product sourcing/ end-of-life disposal, such as reducing single use plastic and switching from disposable to reusable products

### REDUCE, REUSE & RECYCLE

Implement more “reduce, reuse and recycle” schemes through our **“For Humanity”** ESG Programme, including launching a circular dispenser installation service

### INVEST IN CARBON OFFSETTING

Review offsetting opportunities that align with our business model, involving our suppliers to reduce indirect emissions and close the gap between actual and Net Zero carbon

# DECLARATION & 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 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) of Arrow County Supplies Ltd (Registration No 06355141)

## SIGNED ON BEHALF OF THE SUPPLIER:



BRUCE BLACKLEDGE  
**MANAGING DIRECTOR**

