Carbon Reduction Plan

`

Supplier Name: Arrow County Supplies

Publication Date: January 2024

Commitment To Achieving Net Zero

Arrow County Supplies is committed to achieving Net Zero emissions by **2040**.

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: 2020/21 (01/01/2020 – 31/12/2020)
Additional Details relating to the Baseline Emissions calculations.
Notes: Our baseline emissions year includes all measurable Scope 1 and 2 emissions (including direct vehicle emissions, direct vehicle emissions, indirect emissions from purchased energy and all currently measurable Scope 3 value chain emission, and all currently measurable Scope 3 value chain emissions. As part of our company carbon reduction plan, we are developing our Scope 3 emission reporting capabilities to include all sources included below. 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.
Baseline Year Emissions:

EMISSIONS	TOTAL (tCO$_2$e)
Scope 1	**332.6**
Scope 2	**75.6**
Scope 3 **(Included Sources)**	**147.46**
Upstream Transport & Distribution	Data not available
Waste Generated	Data not available
Business Travel	0.09
Employee Commuting	106
Downstream Transport & Distribution	41.37

Total Emissions	555.96

Current Emissions Reporting

Reporting Year: 2023/24 (01/01/2023 – 31/12/2023)

Notes: Our 2022 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. As part of our company carbon reduction plan, we are developing our Scope 3 emission reporting capabilities to include all sources included below.
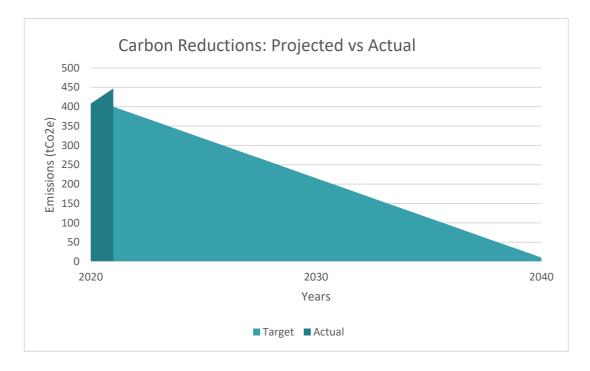
All calculations have been made using the relevant greenhouse gas emission conversion factors, as recommended by the UK government's Department for Business, Energy & Industrial Strategy - from metered source data.

The impact of the COVID-19 pandemic from 2020-2021 (the baseline year above), and the subsequent lockdown restrictions, led to a relative reduction in usual business activity. The resulting end of lockdown restrictions led to increased business operations and therefore increases in Scope 1 and 3 emissions. These increases, and the effect on Scope 2 emissions was mitigated by company investments including: implementation of FuelActive technology, SMART LED lighting installation and maximising backhaul vehicle usage.

EMISSIONS	TOTAL (tCO$_2$e)
Scope 1	**419**
Scope 2	**50**
Scope 3 (Included Sources)	**167.32**
Upstream Transport & Distribution	Data not available
Waste Generated	Data not available
Business Travel	0.009
Employee Commuting	106
Downstream Transport & Distribution	41.36
Total Emissions	**616.369**

Emissions Reduction Targets

We are currently working with Sustainability West Midlands to formalize our 2023-2040 emission reduction targets for Scopes 1, 2 and 3, to continue our progress towards achieving Net Zero by 2040 (current progress illustrated in graph below):

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 6.6 tCO$_2$e per employee to 5.9 tCO$_2$e per employee). Carbon reduction projects have included:

- Certification to ISO:14001 and EcoVadis Silver Level.

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

- Installation of SMART LED lighting throughout our National Distribution Centre (NDC).

- Developing a hub-and-spoke distribution network, opening a new Scottish Regional Distribution Centre (RDC) in November 20230, allowing to operat local pick, pack and delivery to our Scotladn and North customers – reducing delivery distances and associated carbon impact.

- Transitioning to 100% SMART LED lighting (including motion sensor, outside light level sensors and time controls) throughout our main office building, car park and across all distribution centers.

- Launch of Arrow's 'For Humanity' Program, helping to build and implement our corporate sustainable strategy throughout our value chain (with Net Zero as the headline goal).

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

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

Supporting our proposed roadmap to Net Zero, the following carbon reduction initiatives are planned:

- Collaborating with Sustainability West Midlands to formalize our carbon reduction plan, including setting carbon budgets and improving our data collection process to aid reduction and progress measurement.

- Transition to 100% REGO (Renewable Energy Guarantee of Origin) certified electricity (classified by Ofgem as carbon neutral – currently 83% REGO-certified electricity).

- 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.

- Grwot our national distribution infrastructure to reduce travel distances and support introduction of low-emission/electric vehicles to key geographical areas, opening 2 additional RDCs by 2025.

- Implement enhanced data collection proceses, incorporating use of accredited emissions factor databases to gather average product level tCO2e data and improve Scope 3 emissions reporting capability.

- Engaging with suppliers to support our Net Zero goals, including requiring suppliers to report their carbon footprint data to improve the accuracy of carbon measurement.

- Evaluating 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.

- Promote sustainable travel initiatives and supporting sustainable travel options for commuting and business travel, e.g. Cycle2Work, installing onsite EV charging points.

- Implement more reduce, reuse and recycling schemes through our 'For Humanity' Programme, including the launch of a circular dispenser installation service.

- 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 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 standard[4] and uses the appropriate Government emission conversion factors for greenhouse gas company reporting[5].

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[6].

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

Date: ………………**31/01/2024**……………

---

[4]https://ghgprotocol.org/corporate-standard
[5]https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting
[6]https://ghgprotocol.org/standards/scope-3-standard