Carbon Reduction Plan

Supplier name	**H Bell & Sons Ltd**
Publication date	**26 February 2026**

Commitment to Achieving Net Zero

H Bell & Sons Ltd is committed to achieving Net Zero emissions by 2050.

Meeting the Reporting Requirements

This Carbon Reduction Plan complies with PPN 006, as published by the Cabinet Office in February 2025. This document will be reviewed and updated annually in accordance with industry standards and regulatory requirements.

Baseline Carbon Emissions

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.

To ensure transparency and a comprehensive assessment of our environmental impact, we are recording emissions data associated with our office at 33 Princess Street, Rochdale, Lancashire, OL12 0HA.

In our baseline year, we operated with 10 Full-Time Equivalent (FTE) employees.

We operate from a single office with an approximate floor area of 1000 ft². This space accommodates our core administrative and operational functions and supports our on-site team. To ensure transparency, we have recorded all emissions associated with this office location in our carbon calculations.

As our business grows, we anticipate a proportional increase in emissions. This potential rise is factored into our Carbon Reduction Plan, ensuring that we take appropriate measures to mitigate and offset any increases while maintaining our commitment to sustainability.

Baseline year: 2020
Additional details relating to the baseline emissions calculations: H Bell & Sons Ltd is a private limited SME company. While we are not obligated to report our emissions under the Streamlined Energy and Carbon Reporting (SECR) regulations, we are committed to environmental responsibility. To demonstrate this commitment, we began recording our emissions in 2020, which serves as our baseline for measuring and improving our environmental impact.
Baseline year emissions: 2020

Emissions	Total (kg CO2e)
Scope 1	31,410.00
Scope 2	3,540.00
Scope 3 (included sources)	23,690.00
Total emissions	**58,640.00**

2025 Carbon Emissions Overview

Our organisation operates from a single office that accommodates up to 10 employees, with a typical daily occupancy of 6 staff working on-site 5 days per week.

As the building has no natural gas supply, associated emissions are limited to electricity consumption, water supply/treatment and waste generation. These operational emissions are relatively small when compared to our wider carbon footprint and are reported within Scope 2 and Scope 3 accordingly.

The majority of our emissions arise from our vehicle fleet, which represents our primary source of Scope 1 and Scope 3 transport-related impacts.

Reporting year: 2025	
Emissions	Total (kg CO2e)
Scope 1	25,141.02
Scope 2	971.38
Scope 3 (included sources)	8,604.37
Total emissions	**34,716.77**

To evidence our sustained progress toward Net Zero, we achieved a **40.8% reduction** in emissions compared with our 2020 baseline. Providing clear visibility of our environmental performance and progress toward Net Zero, the following section provides a full breakdown of our 2025 carbon emissions.

Scope 1	We operate a fleet of 14 vehicles, consisting of: • 1 HGV – Rigid (>3.5-7.5 tonnes) diesel • 9 Class II diesel vans • 3 medium diesel cars • 1 small diesel car During the December 2024-December 2025 period, our fleet collectively covered an estimated total distance of **118,714.07 km.**

	<table><tr><th>Activity</th><th>Type</th><th>kg CO2e</th></tr><tr><td>Vehicle Fleet</td><td>Car – Medium (diesel)</td><td>5,615.42</td></tr><tr><td>Vehicle Fleet</td><td>Car – Small (diesel)</td><td>7.39</td></tr><tr><td>Vehicle Fleet</td><td>Van – Class II (diesel)</td><td>14,676.45</td></tr><tr><td>Vehicle Fleet</td><td>HGV – Rigid (>3.5-7.5 tonnes)</td><td>4,841.77</td></tr><tr><td colspan="2">Total kg CO2e</td><td>25,141.02</td></tr></table> As part of our commitment to improving accuracy and reducing our environmental impact, we automatically gather emissions data from our site-based fleet using Quartix, our vehicle telematics system. As our business grows, overall kg CO2e may rise in absolute terms; however, we expect emissions intensity to improve year-on-year. This means that we aim to reduce our emissions and adopt electric vehicles (EVs) into the fleet as part of our structured transition plan. Delivering progressive reductions in fleet-related carbon emissions, each EV adoption will correspond with the retirement of one older diesel vehicle, ensuring a controlled, like-for-like replacement process. Maintaining operational efficiency and strengthening our long-term sustainability performance, we will continue phasing out remaining diesel vehicles and are targeting a fully electric fleet by 2030. **Based on this, our total Scope 1 emissions for the 2025 period are 25,141.02 kg CO2e.**
Scope 2	Our Scope 2 data consists of electricity purchased at our 33 Princess Street, Rochdale, Lancashire, OL12 0HA office. <table><tr><th>Activity</th><th>Type</th><th>kgCO2e</th></tr><tr><td>Energy</td><td>Electricity generated</td><td>971.38</td></tr><tr><td colspan="2">Total kg CO2e</td><td>971.38</td></tr></table> Our electricity is purchased on a Standard Variable Tariff (SVT) with an estimated annual usage of 5488 kWh, as provided by our supplier. **Our total Scope 2 emissions for the 2025 period are 971.38 kg CO2e.**
Scope 3	In 2025, we have 20 FTEs. Our 6 office-based employees primarily work from our 33 Princess Street, Rochdale, Lancashire, OL12 0HA office. Our other 14 employees are site-based. As we operate from a single office location with no natural gas supply, our emissions from electricity, water and waste have been calculated using the government conversion factors and UK-published benchmarks for these sources. Waste emissions have been calculated across the categories relevant to our construction and office-based operations, using government conversion factors for greenhouse gas reporting. We have included employee commuting and business travel emissions for employee-owned vehicle data recorded in the December 2024-December 2025 reporting year.

	Where employees work from home, the associated home energy consumption remains under individual employee control and is not managed by H Bell & Sons. Therefore, we do not record this data and have not included homeworking emissions in our Scope 3 calculation. Should employee homeworking increase to more than occasional, we will look to implement recording against government-published UK benchmarks for electricity, gas, water and waste. **39.3%** of our Scope 3 emissions originate from business travel, reflecting emissions from employee-owned petrol and diesel cars. This makes business travel the single largest contributor within our indirect emissions profile and, therefore, a priority area for targeted reduction measures. To estimate the emissions generated from waste, we have used government conversion factors to calculate the impacts associated with our office and site-based waste streams. This includes plastic, cardboard, wood, stone/brick and soil. A total of **377.99** tonnes of waste was generated across all categories during December 2024-December 2025, and **6.11** tonnes (**1.6%**) of waste was sent to landfill. We have therefore calculated our waste-related emissions using the landfill portion of each waste category. The remaining **371.88** tonnes of waste produced did not go to landfill. These materials were managed through alternative routes such as reuse, recycling, recovery or other non-landfill disposal methods as determined by our waste management provider. While we aim to divert reusable materials by donating suitable waste to local small and medium-sized enterprises (SMEs) and Voluntary, Community and Social Enterprises (VCSEs) wherever possible, we do not presently track this data. This is an area we intend to formalise in the future to support more accurate reporting and further reduce our waste-related carbon impacts. We do not currently track upstream transport emissions, as we do not have access to the transport data or systems required to record it. 75% of our materials come from 3 key national suppliers using local depots, who collectively account for over 90% of our total material volume. As suppliers begin providing distribution and carbon data, covering transport from manufacturer to depot and depot to site, we will be able to measure upstream transport emissions more accurately. We will actively work with our suppliers to obtain this information so we can report precise upstream transport emissions data in the future.

Activity	Type	kgCO2e
Water	Supply	2.68
Water	Treatment	2.39
Waste	Plastic	13.21
Waste	Cardboard	1,560.42
Waste	Wood	1,406.52
Waste	Stone/Brick	1.29
Waste	Soil	15.05
Employee Commuting	Car – Small (petrol)	899.18
Employee Commuting	Car – Medium (petrol)	44.99
Employee Commuting	Car – Large (petrol)	1,243.45
Employee Commuting	Car – Large (diesel)	33.81
Employee Commuting	Car – Small (electric)	0
Business Travel	Car – Small (petrol)	2,433.43
Business Travel	Car – Medium (petrol)	348.71
Business Travel	Car – Large (petrol)	518.11
Business Travel	Car – Large (diesel)	81.84
Business Travel	Car – Small (electric)	0
	Total kg CO2e	8,604.37

Our total Scope 3 emissions for the 2025 period are 8,604.37 kg CO_2e.

Emission Reduction Targets

To continue our progress toward achieving Net Zero by 2050, we have adopted an Absolute Contraction Approach to carbon reduction. Our targets are as follows:

- 2030: Target of 50% Carbon reduction to 17,358.38 kg CO_2e
- 2040: Target of 75% Carbon reduction to 8,679.19 kg CO_2e
- 2050: Target of 100% Carbon reduction to Net Zero

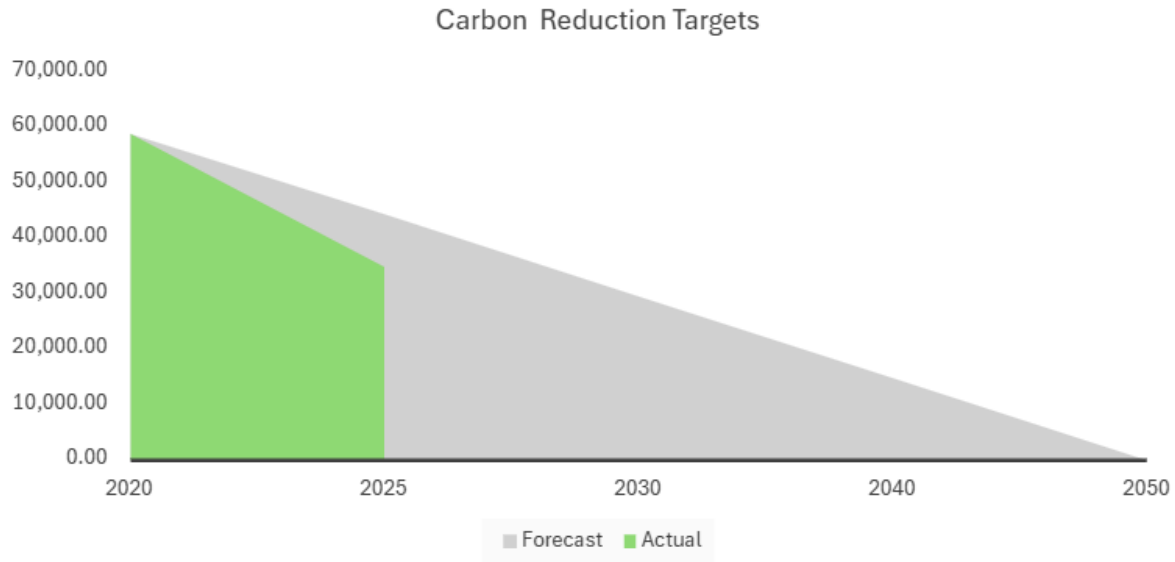

Figure 1: Our carbon reduction targets by year

Carbon reduction projects

The carbon reduction opportunities outlined in this section, once fully implemented, will reduce our GHG emissions annually, aligning with our goal of achieving Net Zero emissions by 2050.

Completed carbon reduction initiatives

H Bell & Sons' 2020 baseline period was chosen as a milestone where data was available to complete our emissions calculations. However, important carbon-saving initiatives had already been implemented before this date:

- Improving energy efficiency and reducing heat loss, we **enhanced insulation** across the building, installing thicker materials within roof voids and wall cavities
- Stabilising internal temperatures and reducing electricity demand for cooling, we **replaced radiant electrical heaters** with controlled air-conditioning units and added solar-reflective window film and controllable external blinds
- Strengthening airtightness to reduce unnecessary energy use, we completed remedial work to **eliminate draughts** around doors and windows
- Increasing on-site renewable energy generation, we installed **solar photovoltaic (PV) panels** at our head office to reduce electricity consumption from grid-supplied sources

The following environmental management measures and projects have been completed or implemented since the 2020 baseline. The carbon emission reduction achieved by these schemes equates to **34,716.77 kg CO2e**, a **40.8% reduction** against the 2020 baseline and the measures will be in effect when performing the contract.

- **ISO 14001:** Strengthening our environmental performance, we complete an annual recertification of our ISO 14001 standard, which demonstrates our ongoing commitment to reducing waste and emissions across all operations
- **Waste minimisation:** Our operatives actively seek opportunities to prevent waste-to-landfill. For example, we regularly donate wood to Springhill Hospice, Dr Kershaw's Hospice and Petrus for use in their garden projects. This keeps usable wood in use rather than becoming waste. Currently, we do not directly record data on donating materials to avoid waste to landfill. In the future, we aim to focus on a more accurate method of tracking data and identify ways to reduce our waste-related carbon footprint
- **Natural ventilation:** Wherever possible, natural ventilation is used in the offices to reduce air conditioning load

Future carbon reduction initiatives

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

Scope 1 actions

- Replace petrol and diesel cars with electric vehicles (EVs) by 2030, starting with the highest emissions vehicles, to maximise impact
- Continue to use and improve our current system (Quartix) to provide optimised route planning, reducing distance travelled and fuel usage
- Install telematics in new fleet vehicles to monitor driving behaviour (harsh braking, rapid acceleration) and provide training to improve fuel efficiency

- After fully implementing all in-house carbon reduction measures, we will offset any residual CO_2 emissions through the purchase of equivalent carbon emissions credits from an International Carbon Reduction & Offset Alliance (ICROA) provider

Scope 2 actions

- Introduce power management policies for hardware such as laptops, PCs and printers
- Transition to 100% renewable energy through our electricity supplier and by investing in solar power for our sites
- Invest in an energy management system to monitor and optimise energy use
- After fully implementing all in-house carbon reduction measures, we will offset any residual CO_2 emissions through the purchase of equivalent carbon emissions credits from an International Carbon Reduction & Offset Alliance (ICROA) provider

Scope 3 actions

Business travel (including employee commuting)

- Recruit within the local area to reduce travel needs – for each contract/Framework we plan to recruit within a 40-mile radius of the client site
- We will interrogate our data from travel to better understand if and where carbon reductions can be made
- Continue to encourage the use of walking or public transport, particularly trains
- Encourage car sharing
- Support and encourage hybrid/homeworking
- Encourage the continued use of virtual meeting platforms where possible to reduce business travel
- Promote cycling to work by providing information and participating in cycle-to-work schemes

Waste management and reduction

- Work towards a paperless office
- Work with our waste management provider to ensure we prioritise sustainable disposal routes and maintain and improve a 95%+ diversion from landfill by 2030
- Work with our waste management provider to improve how we track waste-related emissions by receiving a full breakdown of where our waste goes, including reuse, recycling and other recovery methods. At present, we do not have access to this level of detail. Most of our waste streams are already recycled, with a small proportion (1.6%) going to landfill. To enable more accurate and transparent reporting, we will work with our waste management provider to obtain category-specific data (for example, how much wood was recycled)
- Complete waste audits to maximise recycling and minimise waste production
- For non-recyclable waste we will establish relationships with local energy recovery facilities
- Introduce a method to track our donated materials to avoid waste to landfill

Declaration and sign-off

This Carbon Reduction Plan has been completed in accordance with PPN 006 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[1] and uses the appropriate government emission conversion factors for greenhouse gas company reporting.[2]

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements (where required), 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.[3]

This Carbon Reduction Plan has been reviewed and signed off by Christopher Bell, Managing Director, on behalf of the board of directors (or equivalent management body).

Signed on behalf of the supplier:

……

Date: ……26th February 2026……..……

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