CARBON REDUCTION PLAN
I&H Brown Ltd
Reporting Year: 2024-2025

1. Commitment to Achieving Net Zero

I&H Brown Ltd is committed to achieving Net Zero greenhouse gas emissions in line with UK Government targets and the requirements of Procurement Policy Note (PPN) 06/21.

Our commitments are:

- Achieve Net Zero for Scope 1 and Scope 2 emissions by 2039
- Achieve Net Zero across Scope 1, 2 and 3 emissions by 2045

These targets will be reviewed regularly in line with technological developments and industry best practice.

2. Baseline Emissions Footprint

Baseline emissions represent a reference point against which future emissions reductions can be measured.

Baseline Year: 2020-2021

Scope	Emissions (tC02e)
Scope 1	14,289
Scope 2	136
Scope 3	794
Total	**15,229**

3. Current Emissions Reporting (2024 to 2025)

Scope	Emissions (tC02e)
Scope 1	10,148.02
Scope 2	44.48
Scope 3	412.51
Total	**10,605.81**

Carbon Offsetting

I&H Brown owns and manages woodland assets which provide a verified carbon sequestration benefit.

- Woodland offset: 6,827 tC02e
- Net emissions (after offset): 3,778.01 tC02e

4. Emissions Reduction Progress

- Baseline emissions (2020-2021): 15,229 tC02e
- Current emissions (2024-2025): 10,605 tC02e

This represents an approximate 30% reduction from baseline emissions. However, emissions have increased compared to the previous reporting year (2023-2024: 6,398.71 tCO2e).

Explanation of Increase

The increase in emissions during 2024-2025 is primarily attributable to:

- A significant rise in diesel consumption, which remains the dominant emissions source (~92%)
- Changes in project type and operational activity requiring greater use of construction plant and vehicles
- Increased site activity and reduced reliance on grid electricity in certain projects

This reflects the operational nature of the business, where emissions are closely linked to workload and project requirements.

5. Carbon Intensity

To better understand performance relative to business activity, I&H Brown monitors carbon intensity:

- **Carbon intensity metric:** tCO2e per £m turnover

While total emissions increased in 2024-2025, long-term trends show an overall reduction in carbon intensity, demonstrating improved efficiency relative to output.

6. Carbon Reduction Targets

To ensure continued progress towards Net Zero, the following interim targets have been established:

- **By 2039:** Net Zero Scope 1 & 2
- **By 2045:** Net Zero Scope 1, 2 & 3

7. Carbon Reduction Measures

7.1 Existing Measures

I&H Brown has already implemented a range of carbon reduction initiatives:

- ISO50001 accreditation for energy management
- Transition to electric and hybrid company vehicles
- Increased use of grid electricity over diesel generators
- Deployment of hybrid and battery-powered generators
- Installation of EV charging infrastructure
- Energy efficiency improvements in offices (LED Lighting, insulation, heating upgrades)
- Adoption of digital systems and remote working to reduce travel
- Investment in modern, fuel-efficient plant
- Trialed and implementation of Hydrotreated Vegetable Oil (HVO) fuels

- One of our Largest earthworks projects in 2025 is 100% HVO fuel for all plant on site
- Ownership and operation of renewable energy assets (windfarm)
- Woodland creation and peatland restoration for carbon sequestration

7.2 Planned Measures

Plant and Fuel Use (Primary Focus Area). Given that diesel represents the largest emissions source, priority actions include:

- Progressive reduction in diesel consumption across operations
- Expansion of HVO fuel use across plant and fleet, currently one of our largest earthworks projects, is 100% HVO fueled
- Increased adoption of electric and hybrid plant as technology becomes viable
- Improved telematics and monitoring to optimise fuel efficiency
- Working with clients, a number of our sites have obtained mains electricity connections for the welfare compounds, avoiding the use of diesel generators

Fleet Transition

- Achieve 100% electric car fleet by 2030
- Transition light commercial vehicles to electric alternatives
- Encourage transition of grey fleet to EV/hybrid

Energy and Offices

- Transition to 100% renewable electricity supply
- Expand EV charging infrastructure
- Continue energy efficiency upgrades

Project Delivery

- Embed carbon assessment in project design and procurement
- Monitor emissions at project level
- Engage supply chain to support low carbon materials and methods
- Target <5% waste to landfill

Training and Governance

- Staff training on carbon awareness and reduction
- Regular reporting to senior leadership
- Continuous improvement of carbon data systems

8. Approach to Offsetting

I&H Brown recognises that direct emissions reduction is the priority.

Carbon offsetting is used only to address residual emissions that cannot yet be eliminated and will not replace efforts to reduce emissions at source.

9. Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance.

Emissions have been reported and recorded in accordance with:

- The Greenhouse Gas Protocol Corporate Standard
- UK Government emission conversion factors
- Streamlined Energy and Carbon Reporting (SECR) requirements

This Carbon Reduction Plan will be reviewed and updated annually.

Signed on behalf of I&H Brown Ltd:

Name: 

Position: Construction Director

Date: 10/04/26